



ALL INDIA INSTITUTE OF MEDICAL SCIENCES

CURRICULUM & REGULATIONS

FOR

B.Sc. (Hons) Nursing

College of Nursing

**All India Institute of Medical Sciences
Bhubaneswar**

Revised Scheme - 2021

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AIM

The aim of the undergraduate nursing program is to

1. Prepare nursing graduates to assume responsibilities as professional competent nurses & midwives in providing promotive, preventive, curative & rehabilitative services.
2. Prepare nurses who can make independent decisions in nursing situations, protect the rights of & facilitate individuals & groups in pursuit of health, function in the hospital, community nursing services & conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor and manager in clinical / public health nursing.

Objectives

On completion of the four years B.Sc. (Hons) Nursing program, the graduate will be able to:

1. Apply knowledge from physical, biological & behavioural sciences, medicine including alternative systems & nursing in providing nursing care to individuals, families & communities.
2. Demonstrate understanding of life cycle & other factors which affect health of individual & groups.
3. Provide nursing care based on steps of nursing process in collaboration with the individual & group
4. Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
5. Utilize the latest trends & technologies in providing health care.
6. Provide promotive, preventive & restorative health services in line with the national health policies & programmes.
7. Practice within framework of code of ethics & professional conduct & acceptable standards of practice within the legal boundaries.
8. Communicate effectively with individuals & groups & members of the health team in order to promote affective interpersonal relationships & teamwork.
9. Demonstrate skills in teaching to individuals & groups in clinical/ community health settings.
10. Participate effectively as members of the health team in health care delivery system.
11. Demonstrate leadership & managerial skills in clinical/ community health settings.
12. Conduct need based research studies in various settings & utilize the research findings to improve the quality of care.
13. Demonstrate awareness, interest & contribute towards advancement of self & of the profession.

Admission Requirements

1. The minimum age for admission shall be 17 years on or before 31st December of the year of admission.
2. The minimum educational requirements shall be the passing of:

Has passed the 12th class under the 10+2 scheme/Senior School Certificate Examination or Intermediate Science or an equivalent examination from a recognized University/ Board of any Indian State with English, Physics, Chemistry and Biology with 55% for Gen/OBC (50% in case of SC's/ST's categories) in aggregate in English, Physics, Chemistry and Biology.

3. Candidate shall be medically fit.

Entrance / Selection test

Selection of the candidates should be based on the merit of the entrance examination.

Duration

- **B.Sc. (Hons) Nursing** course shall be four years

Total student intake:

- B. Sc. (Hons) Nursing = 75 seats

Medium of Instruction

The medium of instruction shall be English only

Award of degree

The degree of B.Sc. (Hons) Nursing will be awarded to the graduate only after the candidate has:

Satisfactorily completed the full period of training and passed all examinations

Academic session

- The academic session will be of annual system spanning 52 weeks including exams and vacations.

Vacation

The students shall be given vacation of total 6 weeks in an academic session as per institutional annual academic calendar, subject to approval of competent authority.

B.Sc. (Hons) NURSING

COURSE OF INSTRUCTION

FIRST YEAR

Sr. No	Subject	Theory Hours	Practical / Clinical Hours	Other Hours
1.	Anatomy including genetics			
	• Anatomy	50	10	
	• Genetics	20		
2.	Physiology	50	10	
3.	Nutrition & Biochemistry			
	• Nutrition	40	20	
	• Biochemistry	30	10	
4.	Microbiology	45	15	
5.	Nursing Foundations	270	Lab: 200 & Clinical: 480	
6.	Psychosocial Nursing			
	• Introduction to Psychology	50		
	• Introduction to Sociology	50		
7.	Communicative English	40		
8.	Computers & Nursing Informatics	30	30	
9.	Hindi */ <i>Regional language</i>	30		
10.	Library work/self-study			50
11.	Co-curricular activities			50
	Total Hours	705	775	100
	Total hours=1580 Hrs			

* Optional subject

SECOND YEAR

Sr. No	Subject	Theory (In Hours)	Practical / Clinical (In Hours)	In Hours
1.	Pharmacology & Pathology			
	• Pharmacology	60		
	• Pathology	40		
2.	Medical Surgical Nursing – I	210	960	
3.	Community Health Nursing – I	100	140	
4.	Communication and Education technology	60	30	
5.	Library work/Self study			50
6.	Co-curricular activities			35
	Total Hours	470	1130	85
	Total hours=1685 Hrs			

THIRD YEAR

Sr.	Subject	Theory	Practical / Clinical	In Hours
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No		(In Hours)	(In hours)	
1.	Medical Surgical Nursing – II	110	470	
2.	Child Health Nursing	90	415	
3.	Mental Health Nursing	90	415	
4.	Nursing Research & Statistics	45	100 (a group research project)	
5.	Library work/Self study			
6.	Co-curricular activities			
	Total Hours	335	1400	
	Total hours=1735 Hrs			

FOURTH YEAR

Sr. No	Subject	Theory (In Hours)	Practical / Clinical (In Hours)
1.	Obstetrical & Gynaecological Nursing including Midwifery	120	Lab: 80, Clinical: 600
2.	Community Health Nursing - II	110	375
3.	Nursing Management	60	100
	Total Hours	290	1155
	Total hours= 1445 Hrs		

- ❖ Students need to fulfil practical/ clinical experience requirements specified for each subject as per guidelines for B.Sc. (Hons) Nursing within the stipulated time period in a prescribed log book.

B.Sc. (Hons) NURSING
SCHEME OF EXAMINATION

B.Sc. (Hons) Nursing First Year

Paper No.	Subjects (Theory)	Duration of Exam	Internal Assessment	Final Exam	Total
T/I	Anatomy including Genetics	3	25 (20+5)	75 (60+15)	100
T/II	Physiology	3	25	75	100
T/III	Nutrition & Biochemistry	3	25 (15+10)	75 (45+30)	100
T/IV	Microbiology	3	25	75	100
T/V	Nursing Foundations	3	25	75	100
T/VI	Psychosocial Nursing	3	25 (15+10)	75 (40+35)	100
T/VII	Communicative English*	2	10	40	50
T/VIII	Computers & Nursing Informatics*	2	10	40	50
T/IX	Hindi/ Regional Language (<i>Optional Subject</i>) *	2	10	40	50
Practical examination with Viva Voce					
P/I	Nursing Foundations		100	100	200
	Total		280	670	950

*College conducted examinations

B. Sc. (Hons) Nursing Second Year

Paper No.	Subjects (Theory)	Duration of Exam	Internal Assessment	Final Exam	Total
T/X	Pharmacology & Pathology	3	25 (15+10)	75 (45+30)	100
T/XI	Medical Surgical Nursing – I	3	25	75	100
T/XII	Community Health Nursing – I	3	25	75	100
T/XIII	Communication & Educational Technology	3	25	75	100
Practical examination with Viva Voce					
P/II	Medical Surgical Nursing – I		100	100	200
	Total		200	400	600

B.Sc. (Hons) Nursing Third Year

Paper No.	Subjects (Theory)	Duration of Exam	Internal Assessment	Final Exam	Total
T/XIV	Medical Surgical Nursing – II	3	25	75	100
T/XV	Child Health Nursing	3	25	75	100
T/XVI	Mental Health Nursing	3	25	75	100
T/XVII	Nursing Research & Statistics	3	25 (15+10)	75 (50+25)	100
Practical Examination with Viva Voce					
P/III	Medical Surgical Nursing – II		50	50	100
P/IV	Child Health Nursing		50	50	100
P/V	Mental Health Nursing		50	50	100
	Total		250	450	700

B. Sc. (Hons) Nursing Fourth Year

Paper No.	Subjects (Theory)	Duration of Exam	Internal Assessment	Final Exam	Total
T/XVIII	Obstetrical & Gynaecological Nursing including Midwifery	3	25	75	100
T/XIX	Community Health Nursing – II	3	25	75	100
T/XX	Nursing Management	3	25	75	100
Practical examination with Viva Voce					
P/VI	Obstetrical & Gynaecological Nursing including Midwifery		50	50	100
P/VII	Community Health Nursing-II		50	50	100
P/VIII	Exit OSCE		100	-	100
	Total		275	325	600

Rules of Examination:

1. The medium of examination shall be English only

2. **Anatomy including Genetics:** - Question paper will consist of Section A (Anatomy) of 60 marks and Section B (Genetics) of 15 marks.
3. **Nutrition and Biochemistry:** - Question paper will consist of Section-A Nutrition of 45 marks and Section B of Biochemistry of 30 marks.
4. **Introduction to psychosocial Nursing:** - Question paper will consist of Section-A (Psychology) of 45 marks and Section B (Sociology) of 30 marks
5. **Pharmacology and Pathology:** - Question paper will consist of Section-A (Pharmacology) of 45 Marks and Section B(Pathology) of 30 Marks.
6. **Nursing Research & Statistics:** -Question paper will consist of Section-A (Nursing Research) of 50 marks and Section B(Statistics) of 25 marks.
7. Theory & Practical exams (if applicable) for Communicative English, Computer & Nursing Informatics and regional language to be conducted as college exam and marks to be sent to the Dean (Examination)/ Examination Controller, AIIMS for inclusion in the Detail Marks Sheet.
8. For Computer & Nursing Informatics and Communicative English minimum pass marks shall be 40%. For Regional Language minimum pass marks shall be 35%
9. A candidate must have minimum 80% attendance in theory and practical (irrespective of the kind of absence) for appearing in examination. However, in extreme circumstances beyond the control of the candidate 10% waive off of attendance may be recommended by Principal to the Dean approved by the Director.
10. A candidate must have 100% attendance in each of the practical areas before award of Degree.
11. A candidate has to pass in theory and practical exam separately in both internal and external of each paper.
12. A candidate has to obtain 50% in IA and 50% in external (final) examination independently to be eligible for the declaration of passing.
13. If a candidate fails in the subject (either theory or practical) she has to appear in the examination for both theory and practical paper of that subject.
14. A student will not appear for the next level without clearing lower level examination.
15. The student has to pass in all mandatory modules and allotted percentage of marks will be included in the internal assessment of college /university exam. Minimum pass mark for the module is 50%.
16. **Exit Competency examination** will be conducted as an internal exam out of 100 marks, which will be included in the total aggregate marks
17. A candidate who fails in up to two papers, shall be admitted provisionally in the next year but she has to clear those papers before appearing in subsequent professional /final examinations. Provision of supplementary examinations should be made once in a year in between the session.
18. However, if candidate wish to re-attend the course of instruction of that year; she may avail this opportunity by paying the prescribed fee of that year. Furthermore, candidate may have a provision to improve the internal assessment marks of that year.

19. Internal assessment marks in both theory and practical of all should not exceed more than 75% on an average in a batch
20. The maximum period to complete the course successfully should not exceed eight years.
21. An examiner should be an Assistant Professor or above position in a College of Nursing with M.Sc. Nursing qualification in respective subject and minimum of 3 years of teaching experience after obtaining postgraduate nursing qualification at Collegiate/ University level.
22. Re-evaluation of theory paper is not permitted. However, re-totalling of the papers may be allowed if a candidate desire.
23. Declaration of class shall be done as follows:
 - a. A successful candidate obtaining 75% and more marks in the grand total aggregate in the first attempt shall be declared to have passed with **Distinction**.
 - b. A successful candidate obtaining 60% and more but less than 75% of marks in the grand total aggregate shall be declared to have passed with **First Class**.
 - c. A successful candidate obtaining 50% and more marks but less than 60% of marks in the grand total aggregate shall be declared pass with **Pass Class**.
 - d. Rank shall be declared on the basis of the aggregate marks (excluding college conducted exams) obtained by a candidate in the Annual Examination subjects of the course. Only those candidates who have passed all the subjects in all examination in the first attempt shall be eligible for the award of **Rank**. Meritorious candidates will be awarded medals as per Institute Policy.
24. Students need to fulfil practical/ clinical experience requirements specified for each subject as per guidelines for B.Sc. (Hons) Nursing within the stipulated time period in a prescribed log book.
25. Maximum number of candidates for all practical examination should not exceed 25 per day.
26. All practical examinations must be held in the respective clinical areas.
27. Internal and External Examiner should jointly conduct practical examination of each student.

B.Sc. (Hons) NURSING I YEAR

RS-1 Anatomy Including Genetics

Section A: Anatomy

Placement: First year

Time: Theory – 50 Hrs

Practical- 10 Hrs

Paper No	Subject	Internal Assessment	Final Exam	Total Marks
T/I	Anatomy including Genetics	25 (20+5)	75(60+15)	100

Scheme of Examination (Theory / Written)

Paper	Subject	Duration	Maximum Marks (Final Exam)
T/I Section – A	Anatomy	2 hours	60

Question Paper Pattern

Essay type question:3X10= 30marks
Marks Short Notes:4 x 5 = 20 Marks
Short Answer Questions: 5 x 2 = 10 Marks

Note:

Section –A -Anatomy of Paper - It will be set and evaluated by the subject expert only. i.e. an examiner with post graduate degree in Anatomy with a minimum 3 years of collegiate/ university level teaching experience.

Course Description: The course is designed to enable students to acquire knowledge of the normal structure of various human body systems & understand the alterations in anatomical structures in disease & practice of nursing.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Describe anatomical terms
2. Explain the general and microscopic structure of each system of the body
3. Identify relative positions of the major body organs as well as their general anatomic locations.
4. Explore the effect of alterations in structure.
5. Apply knowledge of anatomic structures to analyse clinical situations and therapeutic applications.
6. Apply the knowledge of anatomic structures in performing nursing procedures/skills.

Unit no	Hours		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	1		Introduce the subjects, sub-divisions & descriptive terms used in Anatomy	<p>Introduction</p> <p>Must Know</p> <p>-Introduction to anatomical terms relative to position / surfaces anterior, ventral, Posterior dorsal, superior, inferior, median, lateral, proximal, distal, superficial, deep, prone, supine, palmar and Plantar</p> <ul style="list-style-type: none"> Anatomical planes (axial/transverse/ horizontal, sagittal/vertical plane and coronal/frontal/oblique plane) Movements (flexion, extension, abduction, adduction, medial rotation, lateral rotation, inversion, eversion, supination) 	<ul style="list-style-type: none"> Lecture cum discussion Explain using microscopic slides, skeleton, torso and other A.V. aids. 	<ul style="list-style-type: none"> Short answer questions
II	4	1	Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands.	<p>Introduction to Anatomical terms organization of the human body</p> <p>Must Know • Tissue- definition, types, characteristics, classification, location functions and formation.</p> <p>Membrane, glands classification and structure</p> <p>-classification, location, functions and formation</p>	<ul style="list-style-type: none"> Lecture cum discussion Explain using microscopic slides, skeleton, torso and A.V. Aids. Demonstrate cells, types of tissues membranes and glands. Record book 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

				<ul style="list-style-type: none"> • Hyaline, fibro cartilage, elastic cartilage • Features of skeletal, smooth and cardiac muscle <p>Desirable to Know</p> <p>Human Cell Structure, Alterations in disease</p> <p>Nice to know –Application & Implications in Nursing</p>		
III	3	2	Describe the structure and function of bones and joints.	<p>The Skeletal System</p> <p>Must Know</p> <p>Bones- Types, structure, growth and ossification</p> <ul style="list-style-type: none"> • Axial and Appendicular skeleton • Joints- classification, major joints and structure <p>Desirable to Know</p> <p>-Description of bones & their blood supply</p> <p>Nice to know</p> <p>-Alterations in disease</p> <p>-Application & Implications in Nursing</p>	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, skeleton, loose bones & joints. • Record book. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
IV	3	2	Describe the structure and function of muscles.	<p>The muscular System</p> <p>Must Know the Muscular System</p> <p>-Types and structure of Muscles Muscle groups- muscles of the head, neck, thorax, abdomen, pelvis, upper limb and lower limbs</p> <ul style="list-style-type: none"> • Principal muscles- deltoid, biceps, triceps, respiratory, abdominal, pelvic floor, 	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using models, films & other A.V. aids. • Demonstrate • Record book. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

				<p>pelvic floor muscles, gluteal muscles and vastus lateralis</p> <p>Desirable to Know</p> <ul style="list-style-type: none"> - Muscles groups <p>Applications and implications in nursing</p> <p>Nice to know</p> <ul style="list-style-type: none"> - Alterations in disease 		
V	4	1	Describe the structure and function of nervous system.	<p>The Nervous System</p> <p>Must Know</p> <ul style="list-style-type: none"> -CNS, ANS and PNS (Central, autonomic and peripheral) • Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves, functional areas of cerebral cortex, cerebellum, meninges and blood supply • Ventricular system formation, circulation, and drainage <p>Desirable to Know</p> <ul style="list-style-type: none"> -Application & Implications in to Nursing <p>Nice to know</p> <ul style="list-style-type: none"> - Alterations in disease 	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. aids. • Record book. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
VI	3		Describe the structure and function of sensory organs.	<p>The sensory Organs</p> <p>Must Know</p> <p>Eye, Ear, nose, Tongue</p> <p>Desirable to Know</p> <ul style="list-style-type: none"> -Application & 	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

				Implications in to Nursing Nice to know - Alterations in disease	aids. • Record book	
VII	4	2	Describe the structure and function of circulatory system.	Circulatory System Must Know Structure of heart Blood vessels - Arterial & Venous System, Structure of Heart Circulation: systemic, pulmonary, portal and coronary Desirable to Know Application & Implications in to Nursing Nice to know Alterations in disease	• Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. Aids. • Record book	• Essay type • Short notes • Short answer questions
VIII	2		Describe the structure and function of lymphatic system.	Lymphatic System Must Know Thymus gland, Lymph nodes Lymphatic nodules or tonsil, Lymphatic vessels & lymph, Lymphatic tissues Spleen Desirable to Know Application & Implications in to Nursing Nice to know- Alterations in disease	• Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. Aids • Record book	• Short notes • Short answer questions
IX	6	1	Describe the structure and function of respiratory system	Respiratory System Must Know Structure of the organs of respiration Nasal Cavity, Trachea,	• Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V.	• Essay type • Short notes • Short answer questions

				<p>larynx</p> <p>Bronchi & Bronchioles</p> <p>Lungs</p> <p>Muscles of respiration: Intercostal and Diaphragm</p> <p>Mediastinum</p> <p>Desirable to Know</p> <p>Application & Implications in to Nursing</p> <p>Nice to know - Alterations in disease</p>	<p>Aids.</p> <ul style="list-style-type: none"> Record book 	
X	6	1	Describe the structure and function of digestive system.	<p>The Digestive system</p> <p>Must Know</p> <p>Structure of alimentary tract and accessory organs of digestion</p> <ul style="list-style-type: none"> Oral cavity, salivary glands Oesophagus Stomach, Liver & Gall bladder Pancreas <p>Small Intestine & Large Intestine</p> <p>Desirable to Know</p> <p>Application & Implications in to Nursing</p> <p>Nice to know- Alterations in disease</p>	<ul style="list-style-type: none"> Lecture cum discussion Explain using charts, models, slides, specimens & other A. V. Aids. Record book 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions
XI	4		Describe the structure and function of excretory system	<p>The Excretory System</p> <p>Must Know</p> <ul style="list-style-type: none"> Structure of organs of urinary system: Kidneys, ureters, urinary Bladder, Urethra <p>Desirable to Know</p> <p>Application & Implications in to Nursing</p>	<ul style="list-style-type: none"> Lecture cum discussion Explain using charts, models, slides, specimens & other A. V. Aids. Record book 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

				Nice to know Alterations in disease		
XII	4		Describe the structure and function of endocrine system	The Endocrine System Must Know The Endocrine system Structure of -Pituitary, - Pancreas - Thyroid, parathyroid, Adrenal glands Desirable to Know Application & Implications in to Nursing Nice to know Alterations in disease	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. Aids. • Record book 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
XIII	5		Describe the structure and function of Reproductive system.	Reproductive System Must Know The Reproductive system -Structure of female reproductive Organs - External genitalia - Uterus - Fallopian tube - Ovaries -Structure of male reproductive Organs - Testis - Prostate gland - Seminal vesicle - Penis - Structure of breast Desirable to Know - Application & Implications in to Nursing Nice to know Introduction to embryology	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. Aids. • Record book 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
XIV	1		Describe the structure and function of Integumentary system	The Integumentary system -Structure of skin: Epidermis, Dermis -Appendages of the skin o Hair, Nails, Sebaceous & Sweat glands	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, slides, specimens & other A. V. Aids. • Record book 	Short answer questions

				Desirable to Know - Application & Implications in to Nursing Nice to know Alterations in disease,		
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Lab Practical

- Observe/visit Anatomy Lab/Dissected Cadaver.
- Observe slides/ Microscopic structure of cells & tissues.
- Observe various systems on dissected cadaver. (Heart, Lungs, Brain, GI system, Kidney etc)
- Observe various preserved organs.
- Observe skeletal parts and muscles.
- Know the preparation & use of preservation solution.
- Maintain record book for all observations and visit.

Section– B: Genetics

Placement: First Year

Time: Theory – 20 Hours

Course description: The course is designed to enable students to acquire understanding of genetics, its role in causation & management of defects and diseases.

Scheme of Examination (Theory/Written)

Paper No	Subject	Duration	Maximum Marks (Final Exam)
T/I Section- B	Genetics	1 hour	15

Question Paper Pattern

Short Notes : 2 x 5 = 10 Marks
Short Answer type : 2.5x 2 = 5 Marks

Note:

Section –B – Genetics: It will be set and evaluated by the subject expert, i.e. an examiner with post graduate degree in Anatomy with a minimum 3 years of collegiate / University level teaching experience.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Describe the Genetics terms
2. Demonstrates skill in conducting genetic counselling.
3. Identifies genetic disorders among adolescents & adults by observing clinical signs
4. Apply knowledge of genetic alterations to analyse clinical situations and therapeutic applications.
5. Recognizes gene therapy & its uses in management of diseases.
6. Apply the knowledge in performing nursing procedures/skills and counselling services

Unit no	Hours	Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
I	4	Explain nature, principles & perspectives of heredity	<p>Introduction</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> ▪ Concept and basics of genetics ▪ Practical application of genetics in Nursing ▪ Characteristics and structure of genes ▪ Chromosomes – sex determination ▪ Chromosomal aberrations, Patterns 	<ul style="list-style-type: none"> • Lecture • Discussion • Seminar 	<ul style="list-style-type: none"> • Short notes • Short answers

			<p>of inheritance</p> <ul style="list-style-type: none"> -Mendelian theory of inheritance -Multiple alleles and blood groups --Sex linked inheritance -Mechanism of inheritance -Errors in transmission (Mutations) <p><u>Desirable to know</u></p> <p>Review of cellular division mitosis and meiosis</p> <p><u>Nice to know</u></p> <p>Impact of genetic abnormal conditions on families</p>		
II	4	Explain maternal, prenatal & genetic influences on development of defects & diseases	<p>Maternal, prenatal and genetics</p> <ul style="list-style-type: none"> ▪ Conditions affecting the mother: genetics and infections ▪ Consanguinity atopy ▪ Maternal drug therapy ▪ Prenatal testing and diagnosis ▪ Spontaneous abortion ▪ Neural tube defects <p>Down syndrome (Trisomy 21)</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> -Prenatal nutrition and food allergies <ul style="list-style-type: none"> - Effects of radiation, drugs and chemicals <p><u>Nice to know</u></p> <ul style="list-style-type: none"> - Maternal age -Infertility 	<ul style="list-style-type: none"> • Lecture • Discussion • Seminar 	<ul style="list-style-type: none"> • Short notes • Short answers
III	4	Explain the screening methods for genetic defects & diseases in neonates & children.	<p>Genetic testing in the neonates and children</p> <p>Must Know</p> <ul style="list-style-type: none"> ▪ Meaning & purposes ▪ New born screening ▪ Genetic testing and screening in children <p>-Screening for:</p> <ul style="list-style-type: none"> - Congenital abnormalities 	<ul style="list-style-type: none"> • Lecture • Discussion • Seminar 	<ul style="list-style-type: none"> • Short notes • Short answers

			- Developmental delay Dysmorphism		
IV	5	Identify genetic disorders in adolescents & adults.	<p>Genetic conditions of adolescents and adults</p> <ul style="list-style-type: none"> ▪ Cancer genetics – familial cancer ▪ Inborn errors of metabolism ▪ Genetic haemochromatosis ▪ Huntington’s disease ▪ Mental illness ▪ Therapeutic approach for genetic disorders <p>Nursing management in genetic disorders</p> <p>Desirable to Know</p> <p>Blood group alleles and haematological disorder</p> <p>Nice to Know</p> <p>Therapeutic approach for genetic disorders</p>	<ul style="list-style-type: none"> • Lecture • Discussion • Seminar 	<ul style="list-style-type: none"> • Short notes • Short answers
V	3	Describe the role of nurse in genetic services & counselling.	<p>Services related to Genetics</p> <ul style="list-style-type: none"> ▪ Genetic testing ▪ Human genome project ▪ Gene therapy ▪ The Eugenics movement ▪ Genetic Counselling <p>Role of nurse in genetic counselling</p>	<ul style="list-style-type: none"> • Lecture • Discussion • Seminar 	<ul style="list-style-type: none"> • Short notes • Short answers

RS-1 Physiology

Placement: First year

**Time: Theory – 50 Hrs
Practical- 10 Hrs.**

Scheme of Examination (Theory/Written)

Paper No	Subject	Duration	Maximum Marks (Final Exam)
T/II	Physiology	3 hours	75

Question Paper Pattern

Essay type question	: 3 x 10 = 30 Marks
Marks Short Notes	: 5 x 5 = 25 Marks
Short Answer Questions	: 10 x 2 = 20 Marks

Note:

Physiology paper T/II, will be set and evaluated by the subject expert only. i.e. an examiner with post graduate degree in Physiology with a minimum 3 years of collegiate / University level teaching experience.

Course Description:

The course is designed to assist the students to acquire knowledge of the normal physiology of various human body systems & understand the alterations in physiology of diseases & practice of nursing.

Competencies

1. Develop understanding of the normal functioning of various organ systems of the body
2. Identify the relative contribution of each organ system towards maintenance of homeostasis
3. Describe the effect of alterations in functions
4. Apply knowledge of physiological basis to analyse clinical situations and therapeutic applications

Unit no	Hours		Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	3		Describe the physiology of cell, tissues, membranes & glands	<p>Cell, tissue, membrane and glands</p> <p>Must know: Tissue- formation and repair Membranes & glands – Functions</p> <p>Desirable to know: Alterations in diseases</p> <p>Nice to know : Applications and implications in nursing (Applied physiology)</p>	Lecture cum discussion	<ul style="list-style-type: none"> • Short notes • Short answer questions
II	3	2	Describe the bone formation & growth and movements of skeletal system.	<p>Skeletal System</p> <p>Must know: Bone formation & growth Bones – Functions and movements of bones of axial and appendicular skeleton and bone healing Joints and joint movement</p> <p>Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology).</p>	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, films & other A.V. aids. • Demonstration of joint movements. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
III	3	1	Describe the muscle movements and tone and demonstrate muscle contraction & tone.	<p>The Muscular System</p> <p>Must know: Muscular movements, Muscle tone, physiology of muscle contraction, levels and maintenance of posture</p> <p>Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology)</p>	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, slides, specimen, films & other A.V. aids. • Demonstration of muscle movements, tone & contraction. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

IV	11	2	<ul style="list-style-type: none"> • Describe the physiology of nerve stimulus, reflexes, brain, cranial & spinal nerves. • Describe the physiology of Endocrine glands. <p>Demonstrate reflex action & stimulus.</p>	<p>Control System</p> <p>A. Nervous System</p> <p>Must know: Functions of Neuroglia & neurons Stimulus & nerve-impulse-definitions and mechanism Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid-composition, circulation and function Reflex arc, Reflex action and reflexes Thermoregulation-Maintaining body temperature</p> <p>Desirable to know: Autonomic functions – Pain: somatic, visceral Autonomic learning and Biofeedback Alterations in disease Applications and implications in nursing (Applied physiology)</p> <p>B. The Endocrine System</p> <p>Must know: Functions of Pituitary, pineal body, Thyroid, Parathyroid, Pancreas, Suprarenal, ovaries & Testes Functions of Thymus</p> <p>Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology)</p> <p>Nice to know: Functions</p>	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, models, films & other A.V. aids. • Demonstrate nerve stimulus, reflex action & reflexes 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
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				of placenta		
V	7	4	<ul style="list-style-type: none"> Describe the physiology of blood & functions of heart. Demonstrate blood cell count, coagulation, grouping, Hb, B.P. Pulse monitoring 	<p>Blood & Circulatory System Must know: Blood formation, composition, blood groups, blood coagulation Haemoglobin: Structure, Synthesis and breakdown Variation of molecules, estimation Functions of Heart, Conduction, Cardiac cycle circulation – Principles, Control, factors influencing BP and pulse. Normal ECG Desirable to know: Alterations in diseases Applications and implications In nursing (Applied physiology)</p>	<ul style="list-style-type: none"> Lecture cum discussion Explain using charts, films & A.V. aids. Demonstration of blood cell count, coagulation grouping, Hb. Estimation, Heart conduction system. Measurement of pulse & BP. Identification of normal ECG pattern 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions
VI	5	1	<ul style="list-style-type: none"> Describe the physiology and mechanism of respiration. Demonstrates spirometry. 	<p>The Respiratory System Must know: Functions of respiratory organs Physiology of respiration Pulmonary ventilation, Volume Mechanism of respiration Gaseous exchange in lungs Carriage of oxygen & carbon dioxide Exchange of gases in tissues Desirable to know: Regulation of respiration.</p>	<ul style="list-style-type: none"> Lecture cum discussion Explain using charts, films & other A.V. aids. Demonstration of spirometry 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

			Alterations in disease Applications and implications in nursing (Applied physiology) Nice to know: Vocal communication o Mechanism of sound production o Neural control of sound production o Speaking o Dysarthria		
VII	5	<ul style="list-style-type: none"> Describe the physiology of Digestive system. 	The Digestive System Must know: Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestine, Large intestine, Absorption of food. Functions of liver, gall bladder and pancreas Metabolism of carbohydrates, proteins and fats Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology)	<ul style="list-style-type: none"> Lecture cum discussion Explain using charts, films & other A.V. aids. 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions
VIII	4	Describe the physiology of excretory system.	The Excretory System Must know: Functions of Kidneys, ureters, urinary bladder & urethra Composition of urine Mechanism of urine formation Function of skin Regulation of body temperature	<ul style="list-style-type: none"> Lecture cum discussion Explain using charts, films & other A.V. aids. 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

				Fluid and electrolyte balance. Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology)		
IX	3		Describe the physiology of sensory organs.	The Sensory Organs Must know: Functions of skin, eye, ear, nose, tongue Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology)	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, films & other A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
X	4		Describe the physiology of male & female reproductive system.	The Reproductive System Must know: Reproduction of cells – DNA, Mitosis, meiosis Spermatogenesis, oogenesis. Functions of female reproductive organs; functions of breast, Female sexual cycle. Functions of male reproductive. organs, Male function in reproduction, Male fertility system Desirable to know: Alterations in disease Applications and implications in nursing (Applied physiology)	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, films, models, specimens & other A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
XI	2		Describe the physiology of lymphatic & immunologic al	Defence: Lymphatic and Immunological Must know: Circulation of lymph	<ul style="list-style-type: none"> • Lecture cum discussion • Explain using charts, films & other A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			system.	Immunity Formation of T- cells and B Cells Antibodies Desirable to know: <ul style="list-style-type: none"> • Types of Immune response • Antigens • Cytokines 		
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Lab Practical

- Demonstrate various movements of joints
- Demonstrate nerve reflexes
- Demonstrate/serological test following:
 - Blood cell count
 - Coagulation
 - Grouping
 - Hb estimation
- Demonstrate Pulse, BP, spirometry
- Maintain Record book.

RS-1 NUTRITION & BIOCHEMISTRY

Section A: Nutrition

Placement: First year

Time: Theory- 40Hrs
Practical- 20Hrs

Paper No	Subject	Duration	Internal Assessment	Final Exam	Total Marks
T/III	Nutrition & Biochemistry	3 hrs	25(15+10)	75(45+30)	100

The questions of both the subjects i.e. Nutrition & Biochemistry will be on the same question paper and demarked Section – A & Section – B and to be answered on separate answer books

Section – A: Nutrition

Placement: First Year

Time: Theory – 40 Hrs

Practical-20 Hrs

Scheme of Examination (Theory / Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/III Section: A	Nutrition	1½ hrs	45

Question Paper Pattern

Essay type question : 2 x 10 = 20 Marks
Short Notes : 5 x 3 = 15 Marks
Short Answer Questions : 5 x 2 = 10 Marks

Note:

Section –A -Nutrition of paper –T/III will be set and evaluated by the subject expert only. i.e. an examiner with post graduate degree in Nutrition / dietetics with a minimum 3 years of collegiate/ University level teaching experience.

Competencies

The student should be able to perform the following skills independently:

1. Identify the importance of nutrition in health and wellness.
2. Identify major food sources & functions of carbohydrate, fat, protein, vitamins & minerals.
3. Label the different foods & its medicinal value.
4. Describe the food standards & Act regulating food hygiene & prevention of food Adulteration act (PFA Act)
5. Recognize manifestations of macro & micronutrient deficiency & excess that could compromise health.
6. Assess nutritional status by anthropometric measurement and dietary survey.
7. Apply nutrient and dietary modifications in caring patients.
8. Calculate and compare the Calorie and BMR of individuals with recommended Allowances.
9. Calculate the normal fluid and electrolyte requirements by using formulas.
10. Explain the principles and practices of Nutrition and Dietetics.
11. Identify nutritional needs of different age groups and plan a balanced diet for them.
12. Identify the dietary principles for different diseases.
13. Plan and prepare therapeutic diet for patients suffering from various disease Conditions.
14. Prepare meals and simple beverages and different types of food by using different cooking methods and cookery rules.
15. Prepare budgeting & menu planning
16. List out the importance of special feeding techniques.
17. Follow and demonstrate the safe food handling techniques

Course Description: The course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life & its application in practice of nursing.

Unit no	Time	Learning Objectives	CONTENT	Teaching Learning Activities	Assessment
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					Methods	
	T H	PR				
I	7		<ul style="list-style-type: none"> ❖ Describe the relationship between nutrition & Health. ❖ Describe the role of nurse in assessment of nutritional status & nutrition education 	<ul style="list-style-type: none"> ❖ Must know Introduction to Food & Nutrition <ul style="list-style-type: none"> • Classification of food, Food groups • Role of nutrition in maintaining health • Factors affecting food and nutrition • Assessment of nutritional status ❖ Desirable to know <ul style="list-style-type: none"> • Role of food & its Medicinal value • Elements of nutrition: Macro & micro • National nutritional problems • National nutritional programme: <ul style="list-style-type: none"> - Vitamin A deficiency programme - National iodine deficiency disorders (IDD) programme - Mid – day meal programme - Integrated child development scheme (ICDS) • Nice to Know <ul style="list-style-type: none"> • Nutrition: History & Concept • Calorie, BMR • National & International Agencies Working towards food/nutrition- NIPCCD, CARE, FAO, NIN & CFTRI (Central 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts, film shows. • Panel Discussion. • Exercise • Demonstration of Assessment of nutritional status. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Objective type

				food technology & research institute) • Role of nurse in nutrition education		
II	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	Carbohydrates ❖ Must know Carbohydrate <ul style="list-style-type: none"> • Classification & Caloric value • Recommended daily allowances • Dietary sources & Functions ❖ Desirable to know <ul style="list-style-type: none"> • Digestion, absorption and storage, metabolism of carbohydrates. Nice to know <ul style="list-style-type: none"> • Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. 	<ul style="list-style-type: none"> • Short notes • Short answer questions • Objective type
III	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of fats.	Fats ❖ Must Know <ul style="list-style-type: none"> • Classification & Caloric value • Recommended daily allowances • Dietary sources & Functions ❖ Desirable to know <ul style="list-style-type: none"> • Digestion, absorption and storage metabolism ❖ Nice to know <ul style="list-style-type: none"> • Malnutrition: Deficiencies and overconsumption 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. 	<ul style="list-style-type: none"> • Short notes • Short answer questions • Objective type
IV	2		Describe the classification, the	Proteins	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Short notes

		functions, sources and recommended daily allowances (RDA) of protein	<ul style="list-style-type: none"> ❖ Must Know • Classification & Calorific value • Recommended daily allowances • Dietary sources & Functions ❖ Desirable to know ❖ Digestion, absorption, metabolism and storage ❖ Nice to know • Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> • Explaining using charts. 	<ul style="list-style-type: none"> • Short answer questions • Objective type
V	4	Describe the classification, functions, sources and recommended daily allowances (RDA) of vitamins	Vitamins <ul style="list-style-type: none"> ❖ Must Know • Classification • Recommended daily allowances • Dietary sources & Functions ❖ Desirable to know • Absorption, synthesis, metabolism storage and excretion ❖ Nice to know • Deficiencies, Hypervitaminosis 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. • Assignment on comprehensive table for RDA deficiencies and over nutrition. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Objective type
VI	4	Describe the classification, functions, sources and recommended daily allowances (RDA) of minerals	Minerals <ul style="list-style-type: none"> ❖ Must Know Classification <ul style="list-style-type: none"> • Recommended daily allowances • Dietary sources & Functions ❖ Desirable To know ❖ Absorption, synthesis, metabolism storage and excretion ❖ Nice to know • Deficiencies • Overconsumption and toxicity 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Objective type
VII	3	Describe the sources, functions & requirements Water & Electrolytes.	Water & Electrolytes <ul style="list-style-type: none"> ❖ Must Know • Water: Daily requirement, regulation of water metabolism and distribution of body 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. 	<ul style="list-style-type: none"> • Short notes • Short answer questions

				<p>water</p> <ul style="list-style-type: none"> • Electrolytes: Types, sources, Functions • Maintenance of fluid & electrolyte balance <p>❖ Desirable to know</p> <ul style="list-style-type: none"> • Safe and wholesome water • Water quality criteria and standards • Electrolyte imbalances <p>❖ Nice to Know</p> <ul style="list-style-type: none"> • Over hydration, dehydration and water intoxication 		<ul style="list-style-type: none"> • Objective type
VIII	5	15	Describe the Cookery rules & preservation of nutrients	<p>Cookery rules & preservation of nutrients</p> <p>❖ Must Know</p> <ul style="list-style-type: none"> • Principles and methods of cooking & serving. • Preservation of nutrients during cooking • Safe food handling-toxicity • Storage of food • Food preservation & its principles <p>❖ Desired to Know</p> <ul style="list-style-type: none"> • Food Additives & its principles • Food Adulteration & Prevention of food adulteration act <p>• Preparation of simple beverages & different types of food</p> <p>❖ Nice to Know</p> <ul style="list-style-type: none"> • Food Standards 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice Session 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer question • Objective type • Assessment of Practice Sessions

IX	6	5	Describe and plan balanced diet for different categories of people	<ul style="list-style-type: none"> ❖ Must Know Normal Nutrition/ Balanced diet <ul style="list-style-type: none"> • Elements & Recommended dietary allowances • Nutritive value of food • Calculation of balanced diets for the below mentioned groups ❖ Desirable to Know <ul style="list-style-type: none"> • Nutrition during Adulthood • Nutrition during Pregnancy and Lactation • Nutrition during Infancy • Nutrition during Childhood and Adolescence • Nutrition during Elderly ❖ Nice to Know <ul style="list-style-type: none"> • Planning menu • Budgeting of food 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. • Practice Session • Meal Planning 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer question • Objective type • Exercise on Menu Planning
X	5		Describe and plan therapeutic diet	<ul style="list-style-type: none"> ❖ Must Know Therapeutic Nutrition <ul style="list-style-type: none"> • Planning and Preparation of hospital diets • Therapeutic modification of the normal diet during:- <ul style="list-style-type: none"> • Liver disease • Cardiovascular disease • Diabetes Mellitus • Renal Disease • Gastro-Intestinal Disease ❖ Desirable to know <ul style="list-style-type: none"> • Nutrition and weight management • Drug and nutrient interaction 	<ul style="list-style-type: none"> • Lecture discussion • Explaining using charts. • Therapeutic meal planning and demonstration of therapeutic diets. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Objective type

Lab practical:

- Calculation of BMR
- Demonstration of food handling
- Plan & preparation of diets for different categories of person
- Preparation of therapeutic diet

Section B: Biochemistry

Placement: First year

Time: Theory-30Hr

Practical-10Hr

Scheme of Examination (Theory/Written)

Paper No	Subject	Duration	(Max. Marks) Final Exam
III Section: B	Biochemistry	1½ hrs	30

Question Paper Pattern

Essay type question	: 2 x 6 = 12 Marks
Short Notes	: 2 x 5 = 10 Marks
Short answer type	: 2 X 4 =8 Marks

Note:

Section –B -Biochemistry of paper - III will be set and evaluated by the subject expert only. i.e. an examiner with post graduate degree in Medical/Clinical Biochemistry with a minimum 3 years of collegiate / University level teaching experience.

Course description: The course is designed to assist the students to acquire knowledge of the normal biochemical composition & functioning of human body & understand the alteration in biochemistry in diseases in practice of nursing.

SPECIFIC LEARNING OBJECTIVES

Competencies: On completion of the course, the students will be able to

1. Discuss the structure and function of cell membrane by using microscopic technique.
2. Explain the metabolism of carbohydrate and its alteration.
3. Explain the composition and metabolism of lipids and its alteration.
4. Explain nature, metabolism of amino acid & classification of protein.
5. Explain clinical enzymology of various disease conditions.
6. Identify Vitamin deficiency diseases by seeing clinical findings.
7. Describe the various investigation and their interpretations.
8. Explain different function tests and interpret the findings.
9. Illustrate the immunochemistry.
10. Demonstrates skills in collecting samples for different biochemical investigation.
11. Interprets findings of biochemical tests; blood glucose, protein, cholesterol, LFT, RFT, TFT.
12. Correlate mechanism of atherosclerosis among patient with deranged lipid profile.
13. Analyses fluid & electrolyte imbalance by observing clinical sign & symptoms.
14. Explain mechanism of atherosclerosis development.
15. Interprets and analyse ABG findings, ELISA, HLA typing.

Lab procedure Competencies: The student should be able to perform the following skills independently

1. Demonstrates skills in collecting samples for different biochemical investigation.
2. Identify techniques of microscopy.
3. Demonstration of various serological tests. Blood Glucose, proteins, Lipids.
4. Demonstration of various lab investigations
 - LFT
 - Electrolytes
 - Renal Function test (Urea Creatinine)
 - ELISA
 - HLA Typing
5. Collection, handling and transportation of specimens. (Lab)

Under supervision (Demonstration purpose)

1. Demonstration by use of microscope
2. Demonstration of ELISA & HLA typing
3. Perform RBS & urine testing.
4. Perform safe sample collection.
5. Performs urine stick test & Pregnancy kit test. (LAB)

Unit no	Hours		Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	2	1	<ul style="list-style-type: none"> • Describe the structure composition & function of cell. • Differentiate between prokaryote & Eukaryote cell. Identify techniques of microscopy Describe the structure & functions of cell membrane.	Introduction <u>Must Know</u> <ul style="list-style-type: none"> ▪ Introduction: Definition and significance of biochemistry and its relevance to nursing. ▪ structure and function of cell membrane ▪ Microscopy ▪ Fluid mosaic model -Transportation across cell membrane - Cell junction <u>Desirable to know</u> Differentiate between prokaryote and eukaryote cell PH and buffer <u>Nice to know</u>	<ul style="list-style-type: none"> • Lecture discussion using charts and slides. • Demonstrate use of microscope. 	<ul style="list-style-type: none"> • Short answer questions • Objective type

				Interprets ABG findings		
II	6	2	Explain the metabolism of carbohydrates.	<p>Composition and of metabolism of carbohydrates</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> ▪ Types, structure, composition and uses: -Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides ▪ Biochemical Importance ▪ Blood glucose estimation and its interpretations ▪ Metabolism <p><i>Pathways of glucose:</i></p> <ul style="list-style-type: none"> -Glycolysis - Gluconeogenesis: TCA cycle -Glycogen metabolism: glycogenesis & glycogenolysis -HMP shunt and its biological significance -Pentose phosphate Pathways ▪ -Regulation of blood glucose level ▪ Digestion and absorption of carbohydrate <p>Investigations of Diabetes Mellitus</p> <ul style="list-style-type: none"> ▪ OGTT: Indications, Procedure, Interpretation and types of GTT curve ▪ Mini GTT, 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration of blood glucose monitoring 	<ul style="list-style-type: none"> • Short answer questions • Objective type

				<p>extended GTT, GCT, IV GTT</p> <ul style="list-style-type: none"> ▪ HbA1c (Only definition) ▪ Hypoglycaemia- definition & causes <p><u>Desirable to know</u></p> <p>Glycogen metabolism</p> <p><u>Nice to know</u></p> <p>Glycosidic bonds with examples</p> <p>CHO in cell membrane</p> <p>Colour reaction of CHO</p>		
III	6	2	Explain the metabolism of lipids.	<p>Composition and metabolism of Lipids</p> <p><u>Must Know</u></p> <p>Fatty acid: Types, structure, composition and uses of fatty acids, prostaglandins, Metabolism of fatty acid</p> <ul style="list-style-type: none"> ▪ Triacylglycerols: structure, properties, function & metabolism. ▪ Cholesterol: Sources, Occurrence, distribution, -Cholesterol metabolism -Biosynthesis and its regulation -Bile salts and bilirubin -Vitamin D ▪ Steroid hormones ▪ Lipoproteins and their functions: -VLDLs, IDLs, LDLs and HDLs ▪ Digestion and absorption of lipids. ▪ Metabolism of Lipids <p>-Plasma lipids</p> <p>-Fate of fat after</p>	<ul style="list-style-type: none"> • Lecture discussion using charts. • Demonstration of laboratory test. 	<ul style="list-style-type: none"> • Short answer questions • Objective type

			<p>absorption</p> <p>-Sources of fat depot, -Relation of liver to fat metabolism, -Fatty liver- Lipotropic factors</p> <p><u>Desirable to know</u> Chemistry of lipids The Correlation mechanism of atherosclerosis among patient with deranged lipid profile. Reaction of lipids</p> <p><u>Nice to know</u> Prostaglandins derivative, biological importance, uses. Cholesterol estimation</p>		
IV	8	Explain the metabolism of amino acids and proteins.	<p>Composition and metabolism of Amino acids and proteins.</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> ▪ General Nature Classification ▪ Biological Importance ▪ functions ▪ Physical Properties –as colloids <p>Types, structure, composition and uses of Amino acids and proteins, Protein precipitants, Denaturation.</p> <ul style="list-style-type: none"> ▪ Metabolism of amino acids and proteins: -Amino acid Pool, Amino acid hormones, Essential amino acids, -Deamination, 	<ul style="list-style-type: none"> • Lecture discussion using charts • Demonstration of laboratory tests. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Objective type

			<p>Transamination, & glutamine formation.</p> <ul style="list-style-type: none"> ▪ Digestion & Absorption of Proteins. ▪ Metabolism of Nitrogen: Urea cycle ▪ Enzymes and co-enzymes <p>-Classification, Properties, factor influencing action of enzymes.</p> <p>-Classification & functions of co-enzymes.</p> <p>Kinetic theory of reaction</p> <p>-Enzyme inhibition</p> <p>-Diagnostic significance</p> <p>Clinical Enzymology</p> <p>Isoenzymes –</p> <p>Definition & properties</p> <ul style="list-style-type: none"> ▪ Enzymes of diagnostic importance in: <ul style="list-style-type: none"> ○ Liver Diseases- ALT, AST, ALP, GGT ○ Myocardial infarction-CK, cardiac troponins, AST, LDH ○ Muscle diseases- CK, Aldolase ○ Bone diseases-ALP <p>Prostate cancer-PSA, ACP</p> <p><u>Desirable to know</u></p> <p>Chemistry of amino acid</p> <p>Urea cycle</p> <p>Immunoglobulins- structure, types and functions</p>	
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				<p>Appreciate critical role of amino acids in body processes</p> <p><u>Nice to know</u></p> <p>Plasma protein electrophoresis</p> <p>Buffering action of amino acids</p>		
V	2	1	<p>Explain the maintenance of acid base balance and its variations</p>	<p>Acid base balance and imbalance</p> <p><u>Must Know</u></p> <p>Acid base balance and imbalance.</p> <ul style="list-style-type: none"> ▪ pH - definition, normal value PH buffers <p>Regulation of blood pH – blood buffer, respiratory & renal.</p> <ul style="list-style-type: none"> ▪ ABG – normal values <p>Acid base disorders – types, definition & causes</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> ▪ Interprets ABG findings. <p>Analyses ELISA, HLA typing</p> <p><u>Nice to know</u></p> <p>Henderson-Hasselback's equation</p> <p>ABG – normal values</p>	<ul style="list-style-type: none"> • Lecture discussion using charts • Demonstration of laboratory tests. 	<ul style="list-style-type: none"> • Short answer questions • Objective type
VI	2		<p>Explain the chemistry and biological significance of nucleic acids</p>	<p>Nucleic acid</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> ▪ Nucleic acid: Chemistry of Nucleic acid <p>-Purines & Pyrimidine bases</p> <p>-Nucleotides and nucleosides</p> <p>-Nucleic Acids-DNA & RNAs</p> <p>-Biological</p>	<ul style="list-style-type: none"> • Lecture discussion using charts. • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answer questions • Objective type

			<p>significance</p> <p>Investigations and their interpretations</p> <p><u>Desirable to know</u></p> <p>Hypouricemia</p> <p>Demonstrates skills in collecting samples for different biochemical investigation.</p> <p><u>Nice to know</u></p> <p>Pyrimidine synthesis and degradation</p>		
VII	4	4	<p>Describe immunochemistry.</p> <p>Immunochemistry & biochemical testing</p> <p><u>Must Know</u></p> <p>▪ Immunochemistry:</p> <p>-Immune response</p> <p>-Structure and classification of Immunoglobins</p> <p>-Mechanism of antibody production</p> <p>-Antigens: HLA typing</p> <p>-Electrophoretic and Quantitative determination of Immunoglobins: ELISA etc.</p> <p>Investigations and their interpretations.</p> <p>Sample, collection, transport/preservation</p> <p>▪ Functions tests and their interpretation</p> <p>-Liver function test, kidney function test, Thyroid function test</p> <p>▪ Point of care testing</p> <p>-glucometer, urine stick test, pregnancy test kit, ABG, electrolyte analyzer.</p>	<ul style="list-style-type: none"> • Lecture discussion • Demonstration of laboratory tests. 	<ul style="list-style-type: none"> • Short answer questions • Objective type

			<ul style="list-style-type: none"> ▪ Heme catabolism <ul style="list-style-type: none"> ○ Heme degradation pathway <p>Jaundice – type, causes, urine & blood investigations (van den berg test)</p> <p><u>Desirable to know</u></p> <p>Hyper-gammaglobinemia</p> <p>Demonstrates skills in collecting samples for different biochemical investigation.</p> <p>Interprets findings of biochemical tests; blood glucose, protein, cholesterol, LFT, RFT, TFT.</p> <p>Performs urine stick test, & Pregnancy kit test.</p> <p><u>Nice to know</u></p> <p>Biochemical basis of retroviral therapy</p>		
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Lab practical:

- Observe the microscopic properties of cells.
- Demonstration of various serological tests. ' Blood Glucose ' proteins ' Lipids.
- Demonstration of various lab investigations
 - LFT
 - Electrolytes
 - Renal Function test (Urea Creatinine)
 - ELISA
 - HLA Typing
 - Collection, handling and transportation of specimens.

RS-1 MICROBIOLOGY

Placement: First year

Time: Theory – 45 Hrs
Practical- 15 Hrs

Paper No	Subject	Internal Assessment	Final Exam	Total Marks
T/IV	Microbiology	25	75	100

Scheme of examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/IV	Microbiology	3 hours	75

Question paper pattern

Essay type question : 3 x 10 = 30 Marks

Short Notes : 5 x 5 = 25 Marks

Short answer type : 10 x 2 = 20 Marks

Note: An examiner / paper setter in the subject of Paper – IV: Microbiology need to have a post graduate degree MD / M.Sc. in Medical Microbiology with a minimum 3 years of collegiate / University level teaching experience.

Course Description

This course is designed to enable students to acquire understanding of fundamentals of microbiology and identification of various microorganisms. It also provides opportunities for practicing infection control measures and standard precautions in hospital and community settings.

COMPETENCIES

At the end of the course, the students shall be able to:

1. State the infective microorganisms of the human body and describe the host parasite relationship.
2. Discuss the pathogenic microorganisms (bacteria, virus, parasites, fungi) and disease caused by them.
3. Explain the modes of transmission of pathogenic and opportunistic organisms and their sources to avoid spread of the infection.
4. Demonstrate knowledge on suitable antimicrobial agents, anti-microbial resistance (AMR) and role of antimicrobial stewardship in performing the nurses' role.
5. Integrate the knowledge of isolation (Barrier and reverse barrier) techniques in implementing various precautions.
6. Describe the concept of vaccines and different vaccines available for prevention of communicable diseases.

7. Demonstrate knowledge and skill in specimen collection, handling and transport to optimize the diagnosis for treatment by ensuring proper preventive measures.
8. Incorporate the principles and guidelines of biomedical waste management in the hospital as well as at primary care level.
9. Apply the knowledge of occupational safety measures for health-care workers, International Patient Safety Goals (IPSG) and Patient Safety Indicators in the patient care settings.
10. Develop knowledge and understanding of Hospital acquired Infections (HAI) and effective practices for prevention
11. Illustrate various methods of sterilization and disinfection to control and prevent hospital and community infections.
12. Discuss the containment of any outbreak of disease from public health view.
13. Develop an understanding of standard safety measures and infection prevention strategies in clinical practice and adhere to those protocols.
14. Demonstrate and practice proper use of personal protective equipment's
15. Identify employee safety indicators and the risk of occupational hazards
16. Identify patient safety indicators and perform the role of nurse in the patient safety audit process

Unit no	Hours		Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	3		<ul style="list-style-type: none"> • Explain the importance of microbiology & its importance in nursing. • Describe the various microbiological terms. 	<p>Introduction to Microbiology <u>Must Know</u></p> <p>Importance of Medical Microbiology in diagnosis and prevention of infectious diseases. Explain the importance of microbiology in nursing. Main contributions of Antoine van Leeuwenhoek, Pasteur, Lister and Robert Koch. Medical Microbiology which includes the branches, Bacteriology, Virology and Mycology. Infection, Pathogen, Commensal, Symbiosis, Host, Vector Contagious Disease and Source Mode of infection/route of infection and spread of common infectious diseases</p> <p>Endogenous and exogenous</p>	Lecture cum Discussion	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

				infection Reservoir of infection. Infectious disease Epidemic, Endemic, Pandemic & Zoonosis <u>Desirable to know</u> Contribution of Fleming, Jenner <u>Nice to know</u> Contributions of Antoinévan Leeuwenhoek, Pasteur, Lister and Robert Koch in detail		
II	7	3	<ul style="list-style-type: none"> Describe structure classification morphology, physiology, growth of bacteria & its genetics. Identify microorganisms 	General characteristics of Bacteria and their methods of study <u>Must Know</u> General characteristics of Bacteria <ul style="list-style-type: none"> Morphology of Bacteria Bacterial cell Morphological classification Method of studying bacteria Staining methods and their principles, especially Gram & Ziehl Neelsen Culture media: - <ul style="list-style-type: none"> Definition, Classification and application Types of culture media and uses. Identification of Bacteria: <ul style="list-style-type: none"> Specimen collection-type of infection, Nature of specimen Aseptic precautions to be taken while collecting the sample Transportation of specimen for microbiological diagnosis Normal Flora: <ul style="list-style-type: none"> Introduction Various sites Types and role <u>Desirable to know</u>	<ul style="list-style-type: none"> Lecture cum Discussion Lab Demonstration 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

				<p>Physiology of Bacteria:</p> <ul style="list-style-type: none"> • Nutritional requirements, Growth curve. • Constituents of culture media. • Processing of specimens for microbiological investigations which include culture methods, and serological tests and animal pathogenicity • Prebiotics, Probiotics & Symbiotics <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Giemsa stain & other staining methods in detail. • Processing of different specimen on various culture media • Biochemical reactions of individual bacteria • Microbiota transplantation 		
III	11	2	Describe the methods of infection control.	<p>Infection control measures</p> <p><u>Must Know</u></p> <p>Sterilization and Disinfection</p> <ul style="list-style-type: none"> • Definition of sterilization, Disinfection, Asepsis and Antisepsis • Mode of killing microbes and preventing them. • Enumeration of physical methods of sterilization which includes principles and their application. • Newer methods of sterilization, Plasma & ETO • Concept of Central Sterile Supply Department (CSSD) • Modes of action of chemical agents on microbes – Phenols, Halogens, Aldehydes, Acids, Alcohol, Heavy metals, Oxidizing agents • Antiseptic policy • Universal Biosafety precautions • Standard precautions and transmission-based precautions • Occupational hazards of health care workers and 	<ul style="list-style-type: none"> • Lecture cum Discussion • Lab Demonstration • Visit to CSSD • Clinical practice • Demonstration of hand hygiene 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<p>control</p> <ul style="list-style-type: none"> • Vaccination programme for health care staff • Needle stick injuries and prevention • Post exposure prophylaxis • Types of isolation system • Isolation precautions and use of personal protective equipments • Effective use of PPE • CDC Guidelines- Epidemiology and infection prevention <p>Chemotherapy:</p> <ul style="list-style-type: none"> • Antimicrobial Susceptibility tests (disk diffusion test-Kirby-Bauer's method and Stoke's method) • Antibiotic stewardship • Importance of antibiotic stewardship • Definition of antimicrobial resistance (AMR) • Types of drug resistance • Prevention of MRSA, MDRO in healthcare setting • Bacteriology of air, water, milk and food <p>Waste Disposal:</p> <ul style="list-style-type: none"> • Definition of waste • Classification and disposal • Biomedical waste management rules <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Ubiquity of bacteria • Details on working of Autoclave and Hot air oven, Inspissator and Koch's steamer • Mechanisms of Drug resistance • Transfer of resistance in different bacteria <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Operation & use of Inspissator • Different dyes & their concentration & contact time 		
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				<ul style="list-style-type: none"> • Transduction, Transformation, • Conjugation and R factor experiments 		
IV	2	2	Describe the different disease producing bacteria	<p>Systemic Bacteriology <u>Must Know</u> Morphology, Classification, Laboratory diagnosis (collection & transport only), Treatment, Prevention & control of:</p> <ul style="list-style-type: none"> ➤ Gram Positive Cocci <ul style="list-style-type: none"> ○ <i>Staphylococcus/</i> ○ <i>Streptococcus/</i> ○ <i>Enterococcus/</i> ○ <i>Pneumococcus spp.</i> ➤ Gram Negative Cocci – <ul style="list-style-type: none"> ○ <i>Neisseria.spp</i> ➤ Gram Positive Bacilli <ul style="list-style-type: none"> ○ <i>C. diphtheriae</i> ○ <i>Mycobacterium tuberculosis</i> ○ Atypical Mycobacteria, HIV ○ <i>M. leprae</i> ➤ <i>Cl. welchii, Cl. tetani</i> and <i>Cl. botulinum</i> ➤ Enterobacteriaceae ➤ <i>Salmonella Typhi & Para typhi</i> ➤ <i>Vibrio cholerae</i> ➤ <i>Pseudomonas aeruginosa</i> ➤ <i>Actinomycetes, Nocardia spp</i> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Spirochete • Mycoplasma • Chlamydia • Rickettsia <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • National control and Eradication programme of communicable diseases • Pathogenesis and Laboratory diagnosis (Processing of specimen in microbiology lab) of bacterial diseases. 	<ul style="list-style-type: none"> • Lecture Discussion • Lab Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
V	4	1	Describe the different disease producing	<p>Parasitology <u>Must Know</u></p> <ul style="list-style-type: none"> • Introduction 	<ul style="list-style-type: none"> • Lecture cum Discussion • Lab 	<ul style="list-style-type: none"> • Essay type • Short

			parasites.	<ul style="list-style-type: none"> Parasite- their nature, classification Explanation of terminology Emerging parasitic infections. Morphology, classification, life cycle, pathogenesis, laboratory diagnosis (method of sample collection & transport), prevention & control, treatment & immunoprophylaxis of: <ul style="list-style-type: none"> ➤ Entamoeba histolytica ➤ Plasmodium species ➤ Trichomonas vaginalis ➤ Cestodes <ul style="list-style-type: none"> ○ Taeniasaginata and Taenia solium ○ Echinococcus granulosus ➤ Intestinal Nematodes <ul style="list-style-type: none"> ○ E. vermicularis ➤ Tissue Nematodes <ul style="list-style-type: none"> - Wuchereria bancrofti <p><u>Desirable to know</u> Pathogenic Protozoa: Toxoplasma</p> <p><u>Nice to know</u> Immunity to parasitic diseases Non-pathogenic amoeba</p>	<p>Demonstration</p> <ul style="list-style-type: none"> Clinical practice 	<p>notes</p> <ul style="list-style-type: none"> Short answer questions
VI	1	1	Describe the different disease producing fungi.	<p>Mycology <u>Must Know</u></p> <ul style="list-style-type: none"> Introduction Characterization of fungi Morphology and clinical classification of fungi Morphology, Classification, Pathogenesis & Laboratory diagnosis (specimen collection & transport) of: <ul style="list-style-type: none"> ➤ Systemic mycosis ➤ Subcutaneous mycosis: Mycetoma ➤ Superficial Mycosis: Candida, Cryptococcus <p>Opportunistic fungal Infection:</p> <ul style="list-style-type: none"> ➤ Classification ➤ Predisposing factors ➤ Morphology of Aspergillus 	<ul style="list-style-type: none"> Lecture cum Discussion Lab Demonstration Clinical practice 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

				<p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Pneumocystis carinii <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Industrial importance of fungi • Mycotoxins • Candida Auris 		
VII	1	1	Describe the different disease producing viruses.	<p><u>Virology</u></p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Introduction: • Morphology, multiplication classification of viruses, • Laboratory diagnosis of viral infections, • Collection of samples, transport, method of diagnosis. <p>Morphology, Classification, Pathogenesis, Laboratory diagnosis, Prevention & control, Treatment & Immunoprophylaxis of:</p> <ul style="list-style-type: none"> ➤ Herpes Viruses ➤ Hepatitis Viruses ➤ Picorna Viruses: Immunoprophylaxis of poliomyelitis ➤ Orthomyxo Viruses: Antigenic variation in influenza virus with relevance to vaccine efficacy ➤ Paramyxo Viruses: measles, mumps and rubella ➤ Arboviruses: List of arboviruses prevalent in India, Dengue, Japanese encephalitis ➤ Rhabdoviruses: Antirabies vaccines ➤ Retroviruses-HIV <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Bacteriophage • Kyasanur forest disease • Methods of cultivation of viruses 	<ul style="list-style-type: none"> • Lecture cum Discussion • Lab Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

				<p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Chemoprophylaxis and chemotherapy of viral diseases • Concept of viral load and detection 		
VIII	4	1	Explain the concept of immunity, hypersensitivity & immunization	<p>Immunology</p> <p><u>Must Know</u></p> <p>Introduction: Definition of immunity, types of immunity, factors responsible, Mechanism of innate immunity, Active and passive immunity, local Immunity and can add note on herd immunity.</p> <ul style="list-style-type: none"> • Antigens: Definition, types, antigen determinants, properties of antigen. • Antibodies: Definition nature, structure of immunoglobulin – immunoglobulin classes Physical and biological properties of immunoglobulin. • Serological Reactions: Definition of titre, sensitivity and specificity, prozone phenomenon, Principles, Types and application of precipitation, Agglutination, applications of ELISA • Structure and function of Immune System: Primary lymphoid organs, Secondary lymphoid organs, Cells of immune system, lymphocytes, T cells, B cells, Null cells, Antigen presenting cells (APC) <p>Immune Response:</p> <ul style="list-style-type: none"> • Humoral and Cell mediated Immunity <p>Complement:</p> <ul style="list-style-type: none"> • Definition, Components, and biological functions. 	<ul style="list-style-type: none"> • Lecture cum Discussion • Lab Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Short answer question • Objective type

			<ul style="list-style-type: none"> • Concept of anaphylaxis <p>Hypersensitivity:</p> <ul style="list-style-type: none"> • Definition, Classification • Difference between immediate and delayed reactions, • Mechanism of anaphylaxis and tests for anaphylaxis <p>Vaccination:</p> <ul style="list-style-type: none"> • Principles of immunization and classification • Immunoprophylaxis • Nature of vaccines, rationale, dosage and storage <p>Desirable to know</p> <p>Serological reactions</p> <ul style="list-style-type: none"> • Radio Immuno Assay • Immunofluorescence Test • Neutralization and opsonization <p>Future Vaccines</p> <p>Nice to know</p> <ul style="list-style-type: none"> • Gel diffusion, • Complement fixation • Procedure of ELISA 			
IX	12	4	<ul style="list-style-type: none"> • Explain the various disease conditions related to microbiology. • Identify the role of nurse in hospital infections. • Explain the process of investigating an outbreak 	<p>Applied Microbiology</p> <p>Must Know</p> <p>Gastrointestinal infections</p> <ul style="list-style-type: none"> • Diarrhoea and Dysentery and their laboratory diagnosis • Important causative agents • Specimen collection & Transport • Prevention • Upper Respiratory tract infections (Patch and sore throat) and their laboratory diagnosis. • Lower Respiratory Tract infections (Pneumonia, Bronchitis, Bronchiolitis and their laboratory diagnosis. • Urinary tract infection and their laboratory diagnosis. • Infection of Central Nervous System 	<ul style="list-style-type: none"> • Lecture cum Discussion • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<p>(<i>Meningitis, Encephalitis, Brain abscess</i>) and their laboratory diagnosis.</p> <ul style="list-style-type: none"> • Fever of unknown origin, organisms and their laboratory diagnosis. • Sexually transmitted disease and their laboratory diagnosis. <p>Hospital infections</p> <ul style="list-style-type: none"> • Definition, • Classification, • Type of infection, • Interpretation of lab results • Prevention of Hospital Acquired Infections (HAI) <p>Hospital infection control committee</p> <ul style="list-style-type: none"> • Role of infection control nurse • Protocol, collection of samples • Preparation of report and status of rate of infection in the unit/hospital • Infection control nurse's accountability, continuing education etc. • Patient safety indicators and adverse events • Care of lines, drains and tubing's • International patient safety goals • Improve safety of high alert medications • Reduce risk of health care associated infections • Reduce the harm associated with clinical alarm system <p>Microbiological investigation of an outbreak</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Processing of specimen for Gastrointestinal infections • Processing of specimen for 	
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			<p>upper Respiratory tract infections</p> <ul style="list-style-type: none"> • Processing of specimen for lower respiratory tract infections • Processing of specimen for urinary tract infections • Processing of specimen for central nervous system infections • Processing of specimen for sexually transmitted disease • Methods of laboratory diagnosis various infections <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Treatment of Diarrhoea and dysentery • Treatment of Upper respiratory infections • Treatment of lower respiratory infections • Treatment of urinary tract infections • Treatment of central nervous system infections • Treatment of sexually transmitted infections 	
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Lab Practical

- Methods of Study of bacteria and other microbes
- Demonstration of sterilization methods
- Types and use of disinfectants
- Disposal of biomedical waste
- Staining techniques for bacteria
- Collection, transport, and processing of specimens and basic lab techniques for bacterial infections, parasitic infections, fungal infections, viral infections
- Demonstration of antigen-antibody reactions
- Serological diagnosis of bacterial diseases
- Lab diagnosis of blood-stream infections, urinary tract infections, pyrexia of unknown origin, sexually transmitted infections, food and waterborne disease, Anaerobic infections

RS-1 Nursing Foundations

Placement: First year

Duration: Theory- 270* Hours
Practical*: 680
200 Lab+480 clinical

(*including 34 hours of theory and 36 hours of practical as mandatory modules)

Paper No	Subject	Internal Assessment	Final Exam	Total Marks
T/V	Nursing Foundations	25	75	100

Scheme of examination (Theory / Written)

Paper	Subject	Duration	Max. Marks Final Exam
T/V	Nursing Foundations	3 Hours	75

Question Paper Pattern

Essay Type Question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short Answer Questions : 10 x 2 = 20 Marks

Note:

An examiner / paper setter in the subject of Paper – V Nursing Foundations need to be M.Sc. Nursing in any nursing specialty subject with a minimum 3 years of collegiate / University level teaching experience.

Description: This course is designed to help the students to develop an understanding of the philosophy, objectives, theories and process of nursing in various supervised clinical settings. It is aimed at helping the students to acquire the knowledge, understanding and skills in techniques of nursing and practice them in supervised clinical setting.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Develop understanding about the concept of health, illness and scope of nursing within health care services.
2. Apply values, code of ethics and professional conduct in professional life.
3. Perform admission, transfer, and discharge of a patient under supervision
4. Apply the principles and methods of effective communication in establishing therapeutic communication with patients, families and other health team members
5. Describe the principles and techniques of infection control and biomedical waste management
6. Demonstrate skill in disinfection/sterilization of equipment /instruments
7. Demonstrate skill in implementing standard precautions and use of PPE
8. Develop skill in recording and reporting

9. Monitor, document and identify abnormalities in vital signs
10. Demonstrate skills in collecting comprehensive patient history.
11. Perform health assessment in supervised clinical settings
12. Demonstrate fundamental skills in providing nursing care using Nursing process approach in supervised clinical settings
13. Identify and meet the hygienic, nutritional, comfort, safety and elimination needs of patients
14. Identify the educational needs of patients and demonstrate basic skills of patient education.
15. Promote oxygenation based on identified oxygenation needs of patients under supervision
16. Promote fluid and electrolyte needs based on the knowledge of applied physiology
17. Demonstrate knowledge and understanding in caring for patients with altered functioning of sense organs, unconsciousness, restricted mobility and special needs
18. Demonstrate skill in calculation of drug dosages and conversion of dosages within and between systems of measurements
19. Demonstrate the skills in administration of drugs through different routes.
20. Integrate the knowledge of culture and cultural differences in meeting the spiritual needs
21. Describe sexual development and sexuality
22. Identify stressors and stress adaptation modes and assist patients to adopt various coping strategies
23. Explain loss, death and grief and care for terminally ill and dying patients
24. Perform first aid measures during emergencies
25. Demonstrate skill in collection and transportation of specimens and interpretation of findings of specimen testing.

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
I	5	<ul style="list-style-type: none"> • Describe the concept of health, illness and health care agencies. • Discuss the health belief and health promotion. • Enumerate factors influencing health, health belief and practices. • Discuss types, organization and functions of hospitals. • Explain 	<p>Health & health care agency</p> <p>Must know</p> <ul style="list-style-type: none"> • Health: Concepts, definitions, meaning and determinants of health • Illness and illness behaviour (Sick role)- Definition, Stages, Patterns, and factors affecting. • Risk factors influencing health • Health to illness continuum • Levels of care: primary, secondary & tertiary 	<ul style="list-style-type: none"> • Lecture cum discussion • Symposium • Seminar • Visit to health care agencies 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • Viva-Voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		primary health care in India and the role of nurse	<ul style="list-style-type: none"> Health care agencies: clinics, Hospital, hospice, rehabilitation centre, extended care facility, Hospital: Types, functions and organisation. Healthcare team in hospital and their roles <p>Desirable to know</p> <ul style="list-style-type: none"> Impact of illness on individual, family and community. Maslow's hierarchy of need <p>Nice to know</p> <ul style="list-style-type: none"> Strategies to promote health care compliance 		
II	15	<ul style="list-style-type: none"> Explain concept, philosophy, objectives and scope of nursing. Discuss the role and responsibilities of a nurse. Appreciate the definition and characteristics of nursing as profession. Describe values, code of ethics and professional conduct for 	<p>Nursing as a profession</p> <p>Must know</p> <ul style="list-style-type: none"> Nursing: Definitions, concepts and objectives. Professional Nurse: Definition, functions, roles, responsibilities Professional etiquettes and qualities. Categories of nursing personnel Nursing Profession: Characteristics and criteria. (Bixler & Bixler, Kelly, TNAI) Nursing education in India 	<ul style="list-style-type: none"> Lecture cum discussion Symposium Seminar Role plays 	<ul style="list-style-type: none"> Essay type questions Short note questions Short answer questions Viva-Voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		nurses in India.	<ul style="list-style-type: none"> Ethics: Code of ethics (INC & ICN) and professional conduct, ethical principles <p>Desirable to know</p> <ul style="list-style-type: none"> Nursing scope, Philosophy, International & national nursing organizations. Values: Definition, types and values in professional nursing. Law: Sources of law. Types of law. Civil Vs Criminal law. Legal issues <p>Nice to know</p> <ul style="list-style-type: none"> History of Nursing in India and world. Ethical dilemma. Trends of Nursing in India 		
III	5	<ul style="list-style-type: none"> Explain the admission & discharge procedure. Appreciate the legal implications in admission and discharge of patient. Discuss the role & responsibilities of a nurse in admission & 	<p>Hospital admission and discharge</p> <p>Must know</p> <p>Admission to the hospital</p> <ul style="list-style-type: none"> Unit and its preparation admission bed Admission procedure Roles and Responsibilities of the nurse in admission process <p>Hospital discharge</p> <ul style="list-style-type: none"> Types: Planned discharge, LAMA and abscond, 	<ul style="list-style-type: none"> Lecture cum discussion Symposium Seminars Role plays Demonstration Supervised clinical practice 	<ul style="list-style-type: none"> Essay type questions Short note questions Short answer questions Clinical performance evaluation Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		<p>discharge.</p> <ul style="list-style-type: none"> • Performs admission & discharge procedure 	<p>Referrals and transfers</p> <ul style="list-style-type: none"> • Discharge Planning • Discharge procedure • Roles and Responsibilities of the nurse during discharge <p>Desirable to know</p> <ul style="list-style-type: none"> • Special considerations & Medico-legal issues during admission • Medico-legal issues in discharge • Care & disinfection of the unit after discharge 		
IV	10	<ul style="list-style-type: none"> • Describe concept, elements and forms of communication • Demonstrate ability to effectively communicate and develop nurse patient relationship 	<p>Communication and Nurse patient relationship</p> <p>Must know</p> <ul style="list-style-type: none"> • Communication: definition, Types, Levels, Elements, Modes, Process, Factors influencing Communication • Methods of effective Communication • Facilitators & Barriers to effective communication • Patient Teaching: • Importance, Purposes, Process, principles, role of nurse in patient teaching • IPR: Definition, Principles, concepts, elements and importance, role of Nurse. 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Demonstration of recorded videos. • Role plays • Supervised clinical Practice 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>Desirable to know</p> <ul style="list-style-type: none"> • Communication techniques; therapeutic & non-therapeutic • Maintaining effective communication with special group (children, women, elderly, physically & mentally challenged) • Integrating patient teaching in Nursing process <p>Nice to know</p> <ul style="list-style-type: none"> • Attending skills • Empathy skills • Rapport building skills 		
V	25	<ul style="list-style-type: none"> • . Describe purpose & process of health assessment. • Discuss the methods & techniques health assessment. • Perform health assessment of each body system. 	<p>Health Assessment:</p> <p>Must know</p> <ul style="list-style-type: none"> • Purpose & process of health assessment • History taking; objective & subjective history • Physical examination; Methods & techniques. • Preparation for examination: patient and unit • General assessment • Documenting health assessment findings. <p>Desirable to know</p> <ul style="list-style-type: none"> • System wise Assessment 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Lab demonstration. • Practice session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Clinical performance evaluation • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
VI	15	<ul style="list-style-type: none"> • Explain the concept, uses, format and steps of nursing process. • Documents nursing process as per prescribed format • Describe critical thinking and its use in clinical nursing judgment 	<p>Nursing Process Must know</p> <ul style="list-style-type: none"> • Decision making in nursing practice. • Nursing Process; Overview, phases & characteristics of Nursing process. • Assessment <ul style="list-style-type: none"> - Collection of Data: Types, Sources, Methods - Organizing Data - Validating Data - Documenting Data • Nursing Diagnosis <ul style="list-style-type: none"> - Identification of client problems, risks and strengths - Nursing diagnosis statement- parts, Types and formulation of Nursing Diagnosis - NANDA approved diagnosis - Difference between medical and nursing diagnosis • Planning <ul style="list-style-type: none"> - Planning: <ul style="list-style-type: none"> - Setting priorities - Goal - Planning intervention - Recording • Implementation <ul style="list-style-type: none"> - Process of Implementation - Types of care – Direct and Indirect • Evaluation • Documentation 	<ul style="list-style-type: none"> • Lecture cum discussion • Demonstration • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>Desirable to know</p> <ul style="list-style-type: none"> • Critical thinking; definition, purpose, technique and attitude fostering critical thinking. <p>Nice to know</p> <ul style="list-style-type: none"> • Concept mapping, different types of care plan-Computerized, mobile apps • Nursing Process vs Problem solving. 		
VII	5	Describe the purposes types and techniques of recording and reporting in nursing practices.	<p>Documentation and reporting</p> <p>Must know</p> <ul style="list-style-type: none"> • Documentation: definition, Purpose of recording and reporting, Guidelines for documentation • Recording; Types, Methods, <ul style="list-style-type: none"> - Types of records; ward records, medical/nursing records, - Documenting Nursing activities - Common Recordkeeping forms, Computerized documentation. • Reporting: types (Change of shift reports, Transfer reports, incident reports, telephone reports) • Nursing responsibilities 	<ul style="list-style-type: none"> • Lecture cum discussion • Lab demonstration • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>in documentation & reporting</p> <p>Desirable to know</p> <ul style="list-style-type: none"> Guideline for documentation & reporting <p>Nice to know</p> <ul style="list-style-type: none"> Minimizing legal Liability through effective record keeping 		
VIII	15	<ul style="list-style-type: none"> Describe physiology, regulation and factors affecting vital signs of human body. Discuss principles and techniques of vital signs monitoring. <p>Identify the alteration in vital signs.</p>	<p>Vital signs:</p> <p>Must know</p> <ul style="list-style-type: none"> Guidelines for taking vital signs <p>Body Temperature:</p> <ul style="list-style-type: none"> Physiology & Regulation of body temperature, Factors affecting body temperature Assessment of surface and core temperature: sites, equipment, Techniques and principles of temperature monitoring. Alteration of body temperature; its assessment & management Fever/ Pyrexia- Definition, Causes, Stages, Types & management 	<ul style="list-style-type: none"> Lecture cum discussion Seminar Lab demonstration. Practice session on patient. Supervised clinical practice 	<ul style="list-style-type: none"> Essay type questions Short note questions Short answer questions OSCE Clinical performance evaluations Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>Pulse:</p> <ul style="list-style-type: none"> • Characteristics of the pulse, Factors affecting pulse • Assessment of pulse: Sites, location, equipment's and technique, special Considerations <p>Respiration:</p> <ul style="list-style-type: none"> • Characteristics of the respiration, factors affecting respiration • Assessment of respirations: technique, special considerations • Alterations in respiration • Arterial oxygen saturation <p>Blood pressure:</p> <ul style="list-style-type: none"> • Factors affecting blood pressure, characteristics of the blood pressure, • Assessment of blood pressure: sites, equipment and technique, special considerations • Alterations in blood pressure: hypotension & hypertension • Recording of vital signs <p>Desirable to know</p> <ul style="list-style-type: none"> • Pulse: physiology and regulation • Alterations in pulse: tachycardia & bradycardia • Physiology and 		

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			Regulation, Mechanism <ul style="list-style-type: none"> • of breathing, • Physiology and Regulation of blood pressure. Nice to know <ul style="list-style-type: none"> • Dyspnoea, Causes, Management 		
IX	5	Identify the various machinery, equipment, linen uses in patient care & their care.	Care of Equipment and supplies Must know <ul style="list-style-type: none"> • Hospital Housekeeping: purpose, principle & guideline • Types of equipment & supplies: Disposables and Re-usable • Care of Linen, rubber goods, stainless steel, glass ware, metal, plastics, furniture, machinery, sharp Desirable to know <ul style="list-style-type: none"> • Disinfection of equipment Nice to know <ul style="list-style-type: none"> • Introduction to Indent, maintenance, Inventory 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Lab demonstration. 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • Viva-voce
X	75	<ul style="list-style-type: none"> • Describe the physiological & psychological needs of the patient. • Describe the 	Meeting needs of patient Must know Environment and patient safety <ul style="list-style-type: none"> • Physical environment: 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Lab demonstration. • Practice session • Supervised 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		<p>principles & techniques for meeting physiological & psychological needs of the patient.</p> <ul style="list-style-type: none"> • Perform nursing assessment, plan, implement & evaluate the care for meeting physiological & psychological needs of the patient. • Demonstrates the skills in performing basic and advanced nursing procedures to meet the physical, physiological and psychological needs of the patient 	<p>Temperature, Humidity, Noise, Ventilation, light, odour, pest control.</p> <ul style="list-style-type: none"> • Fall Risk Assessment • Role of nurse in providing safe and clean environment • Safety devices: • Restraints- Types, Purposes, Indications, Legal Implications and Consent, Application of Restraints- Skill and Practice guidelines <p>Hygiene:</p> <ul style="list-style-type: none"> • Factors Influencing Hygienic Practice • Hygienic care; Indications, purposes, steps & effects of neglected care: • Care of the Skin (bed bath, assisted bath, partial bath) • Care of hair (hair shampoo & hair combing) • Care of nail • Care of hand, feet, Oral cavity, Eyes, Ears and Nose (eye glasses, contact lens, dentures, hearing aid) • Perineal/ meatal hygiene • Care of pressure points: • Pressure ulcers; causes, stages, management and prevention 	clinical practice	<ul style="list-style-type: none"> • Clinical performance evaluation • Clinical practical examination • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>Rest, sleep & Comfort:</p> <p>Sleep and Rest:</p> <ul style="list-style-type: none"> • Factors affecting sleep • Promoting Rest and sleep <p>Comfort</p> <ul style="list-style-type: none"> • Factors Influencing Comfort • -Types of bed & bed making • Comfort devices • Pain: Physiology, cause, Types, assessment of pain • Pharmacological and Non- pharmacological pain-relieving measures. • Invasive techniques of pain management o CAM (Complementary & Alternative healing Modalities) • Hot and cold applications <p>Meeting Nutritional needs:</p> <ul style="list-style-type: none"> • Importance & Factors affecting nutritional needs • Care of patient with Dysphagia, Anorexia, Nausea, Vomiting • Indication, purposes, Equipment, procedure and special considerations of: <ul style="list-style-type: none"> - Oral feeding - Enteral feeding: Naso/Orogastric, gastrostomy, 		

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p style="text-align: center;">Jejunostomy</p> <p>Urinary Elimination</p> <ul style="list-style-type: none"> • Factors Influencing Urination • Alteration in Urinary Elimination and its management: • Observation, urine testing • Facilitation urine elimination: assessment, types, equipment, procedures and special considerations • Urinary catheterization & catheter care <p>Bowel Elimination</p> <ul style="list-style-type: none"> • Composition and characteristics of faeces • Factors affecting Bowel elimination • Alterations in Bowel elimination and its management • Facilitating bowel elimination: assessment, • Equipment, procedures and special considerations: • Enemas • Suppository • Sitz bath • Insertion of flatus tube <p>Mobility and Immobility</p> <ul style="list-style-type: none"> • Principles of Body Mechanics • Maintenance of normal 		

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>body alignment and mobility</p> <ul style="list-style-type: none"> • Factors affecting body Alignment and mobility • complications of prolonged immobilisation • Alterations in body Alignment and Mobility • Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method of; <ul style="list-style-type: none"> - Range of motion exercises - Maintaining body alignment: Positions - Moving - Lifting - Transferring - Walking • Assisting clients with ambulation <p>Oxygenation</p> <ul style="list-style-type: none"> • Factors Affecting Oxygenation • Alteration in oxygenation • Nursing Intervention in oxygenation: • assessment, types, equipment used, procedure and special considerations <ul style="list-style-type: none"> - Maintenance of patent airway - Oxygen administration - Inhalations: Dry and moist - Pulse oximetry 		

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> - Deep breathing exercises & incentive spirometry Fluid electrolyte & acid base balance • Factors Affecting Fluid, Electrolyte, and Acid – Base balances • Disturbances in fluid volume: Dehydration and Oedema • IV therapy: <ul style="list-style-type: none"> - Administering Fluid: Types of IV fluids, flow rate Calculation, Complications of IV fluid therapy, Measuring fluid intake and output - Administering Blood and Blood components - Restricting & Enhancing Fluid intake Psychosocial Need • Concept, assessment & nursing management of: <ul style="list-style-type: none"> - Self concept: component, factor affecting and role of nurse in maintaining self-concept - Sexuality: sexual development, sexual health, factor affecting sexuality, role of Nurse - Spiritual health: concept & factor influencing spiritual health, role of nurse in promoting spiritual wellbeing during illness - Cultural diversity: culture, cultural concept, 		

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>cultural diversity, transcultural nursing</p> <ul style="list-style-type: none"> • Stress & adaptation: <ul style="list-style-type: none"> - Definition of stress & stressor, type of stressor, effect of stress & stress management <p>Desirable to know</p> <ul style="list-style-type: none"> • Reduction of Physical hazards: fall, fire, accidents • Other Safety Devices: Side rails, Grab bars, trapeze bar, AMBU, alarms, non-skid slippers etc. • Assessment of Pressure Ulcers using Braden Scale and Norton Scale • Physiology & stages of sleep • Theories of pain • Review: special diets- Solid, Liquid, Soft • Review on therapeutic diets • Nutritional assessment • Review of Physiology of Urine Elimination, • Composition and characteristics of urine • Providing urinal/bed pan • Condom drainage • Review of Physiology of Bowel elimination • Care of patients with 		

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			casts and splints <ul style="list-style-type: none"> • Review of Cardiovascular and respiratory • Physiology • Postural drainage • Chest Physiotherapy • Physiological Regulation of Fluid, • Electrolyte, and Acid – Base Balances • Assisting with coping & adaptation Nice to know <ul style="list-style-type: none"> • International patient safety goals (IPSG) • Sleep disorders • Parenteral- TPN • Urinary diversions • Bladder irrigation • Care of patients with Ostomies (Bowel Diversion Procedures) • Bowel wash • Care of chest drainage • Assessment of psychosocial needs of patient & family • Creating therapeutic environment, recreational & divertional therapies 		
XI	Infection control in Clinical setting 20 hours theory allotted to Mandatory module No. 1				
XII	35	<ul style="list-style-type: none"> • Describe the concept, routes, and 	Administration of Medications	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar Lab 	<ul style="list-style-type: none"> • Essay type questions • Short note

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		<p>effects of medication administration.</p> <ul style="list-style-type: none"> • Demonstrate the skills in drug dose calculation and conversion within and between systems of measurement • Discuss purposes, sites, equipments, preparation and procedure of drug admission through different routes. <p>Demonstrate the skills in administration of drugs through oral, topical and parenteral routes</p>	<p>Must know</p> <ul style="list-style-type: none"> • Medication: Definition, purposes, nomenclature and effects • Systems of Drug Measurement • Medication order and prescriptions, Terminologies and abbreviations used in prescriptions of medication • Principles of Drug administration, 10 R's, • Medication errors • Forms of Medications, equipment (syringes, Infusion sets, needles, cannulas, vials, ampoules) • Dose calculations, conversion between systems and within one system, Preparation of solutions. • Routes of drug administration: purpose, sites, Equipment, preparation procedure and special consideration: Enteral: Oral, sublingual and Buccal, NG tube Parental: Intradermal, Subcutaneous, Intramuscular, Intravenous 	<p>demonstration.</p> <ul style="list-style-type: none"> • Practice session • Supervised clinical practice 	<p>questions</p> <ul style="list-style-type: none"> • Short answer questions OSCE • Clinical performance evaluation • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>Topical: skin, mucous membrane, gargles, Direct application, transdermal patch, spraying throat</p> <p>Instillations: eye, ear, nose, vaginal, rectal</p> <p>Inhalation: MDI, nasal Inhalers</p> <ul style="list-style-type: none"> • Nurses Role in storage and maintenance of drugs • Recording and reporting <p>Desirable to know</p> <ul style="list-style-type: none"> • Broad classification of drugs • Pharmacodynamics and pharmacokinetics • Drug Tolerance • Types of drug action/ effect • Drug Interactions • Factors influencing drug Actions, • Advanced techniques: epidural, intrathecal, intra-osseous, intra-arterial, intraperitoneal, intra-pleural • Irrigations: eye, ear <p>Nice to know</p> <ul style="list-style-type: none"> • Indian Drug Legislation & standards 		
XIII	12 (8+4)	<ul style="list-style-type: none"> • Describe the pre, intra & 	<p>Meeting Needs of Preoperative Clients</p>	<ul style="list-style-type: none"> • Lecture cum discussion 	<ul style="list-style-type: none"> • Essay type questions

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
) (4 hours theory assigned to Mandatory module No. 3)	<p>post-operative care of patients.</p> <ul style="list-style-type: none"> • Explain the process of wound healing. • Explain the principles & procedures of wound care. <p>Demonstrate the skills in wound care</p>	<p>Must know</p> <ul style="list-style-type: none"> • Definition and concepts of Peri-operative nursing • Preoperative phase: preparation of patient for surgery. • Intra-operative Phase: Role of nurse in intraoperative period • Postoperative phase: preparation of post operative unit, post operative nursing care • Post operative complications & its management <p>Wounds and Wound care included as mandatory module no. 3</p>	<ul style="list-style-type: none"> • Seminar • Lab demonstration • Practice session on patient. • Supervised clinical practice 	<ul style="list-style-type: none"> • Short note questions • Short answer questions • OSCE • Clinical performance evaluation • Viva-voce
XIV	6	<ul style="list-style-type: none"> • Explain care of terminally ill patients. • Discuss the legal & medico-legal issues in care of terminally ill patient. 	<p>Care of patient with special needs</p> <p>Must know</p> <p>Care of Terminally ill patient, death & dying</p> <ul style="list-style-type: none"> • Death: Definition, types, Signs of clinical death • Care of dying patient • Last office care <p>Care of Unconscious Patients:</p> <ul style="list-style-type: none"> • Care of patient with altered level of consciousness: definition, causes, risk factors, Clinical Manifestations, 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Lab demonstration • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Viva-voce

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>complications, Assessment and nursing management</p> <p>Desirable to know</p> <ul style="list-style-type: none"> • Medico-legal issues • Death declaration • Stages of consciousness <p>Nice to know</p> <ul style="list-style-type: none"> • Concepts of Loss, Grief, grieving process, supporting patient in grief. • -Advance directives: euthanasia, DNR, living wills, organ donation etc • Autopsy • Embalming 		
XV	5	Explain the basic concepts of theoretical models of nursing.	<p>Theoretical foundation in Nursing practice</p> <p>Must know</p> <ul style="list-style-type: none"> • Meaning & Definition, Purposes, Types of theories with examples • Overview of selected nursing theories- Nightingale's theory, Orem's theory, Henderson's theory. <p>Desirable to know</p> <ul style="list-style-type: none"> • Roy's adaptation theory <p>Nice to know</p> <ul style="list-style-type: none"> • Use of theories in nursing practice 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions
XVI	7	Demonstrates skill in collection and	Diagnostic testing	<ul style="list-style-type: none"> • Lecture cum discussion • Supervised 	<ul style="list-style-type: none"> • Essay type questions • Short note

Unit	Time (Hours)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		transportation of specimen. Interprets the findings of diagnostic tests	<p>Must know</p> <ul style="list-style-type: none"> Sample collection: purpose, Preparation of patient, methods, interpretation & nursing intervention of diagnostic testing: <p>Blood: CBC, LFT, RFT, lipid profile, electrolytes, glucose, peripheral smear, culture, coagulation profile.</p> <p>Stool: routine & microscopic examination</p> <p>Urine: RE/ME, specific gravity, timed, culture</p> <p>Sputum: culture, Gram staining</p> <p>Desirable to know</p> <ul style="list-style-type: none"> ECG Radiologic investigation: CT scan, X-Ray, MRI, USG Endoscopic Procedures: upper GI endoscopy, colonoscopy. 	practice in clinical area	<p>questions</p> <ul style="list-style-type: none"> Short answer questions OSCE
XVII	First Aid & emergencies- 10 hours theory covered in mandatory module no. 2				

Mandatory Module 1: Infection control in Clinical setting					
Placement: BSc. First Year Fundamentals of Nursing					
Hour		Objective of Module	Content	Teaching Learning activities	Method of evaluation
Th	Pr				

20	10	Describe the principles & techniques for infection control & biomedical waste management in supervised clinical settings.	<p>Must know</p> <ul style="list-style-type: none"> • Introduction, types, stages & sources of infection. • Factor increasing susceptibility to infection • Chain of infection transmission • Health care associated infection • Concept of asepsis: medical asepsis and surgical asepsis • Bundle care (VAP, CAUTI, SSI, CLABSI) <p>Standard precautions</p> <ul style="list-style-type: none"> • Hand washing: medical & surgical • Isolation precaution • Personal protecting equipment • Transmission based precautions • Biomedical Waste management: importance, categories of hospital waste & process of Biomedical Waste management • Biological spill management • Transportation of infected patients <p>Desirable to know</p> <ul style="list-style-type: none"> • Nature of infection • Defences against infection: natural and 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Lab demonstration • Practice session on patient. <p>Supervised clinical practice</p>	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Viva-voce
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			<ul style="list-style-type: none"> acquired Needle stick injury management Body fluid spill management <p>Nice to know</p> <ul style="list-style-type: none"> Preparation of disinfectant solution. Infection control bundles in clinical setting. 		
<p>Mandatory Module 2: First Aid & emergencies</p> <p>Placement: BSc. First Year Fundamentals of Nursing</p>					
10	20	<ul style="list-style-type: none"> Identifies the conditions requiring first aid management Performs first aid measure during emergencies 	<p>Must know</p> <ul style="list-style-type: none"> Definition, Basic Principles, Scope & Rules First Aid Management of: <ul style="list-style-type: none"> Wounds, Haemorrhage & Shock Bandaging: purpose, principle, type & techniques of bandaging Musculoskeletal Injuries: Fractures, Dislocation, Muscle injuries & Transportation of Injured persons Drowning Foreign Bodies- Skin, Eye, Ear, Nose, Throat & Stomach Burns & Scalds Poisoning, Bites & stings Frostbite & Heat 	<ul style="list-style-type: none"> Lecture cum discussion Supervised practice in clinical area and Lab 	<ul style="list-style-type: none"> Short note questions Short answer questions OSCE Evaluation based on a checklist

			stroke <ul style="list-style-type: none"> • Basic life support • Role in community disaster 		
Mandatory Module 3: Wound dressing					
Placement: BSc. First Year Fundamentals of Nursing					
4	6	<ul style="list-style-type: none"> • Explain the principles & procedures of wound care. • Demonstrate the skills in wound care 	Must Know <ul style="list-style-type: none"> • Wounds: Classification, healing process, factor affecting & complications of wound healing. • Care of drains • Surgical Wound dressing • Suture care Desirable to know <ul style="list-style-type: none"> • Wound healing process Nice to know <ul style="list-style-type: none"> • Types of sutures 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Lab demonstration • Practice session on patient. • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type questions • Short note questions • Short answer questions • OSCE • Clinical performance evaluation • Viva-voce
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RS-1 Nursing Foundations - Practical

Placement: First Year

Time: Practical – 680Hours
(170+30* Lab & 474 +6* Clinical)

*Practical of Mandatory module

Practical –P/ I Nursing Foundation Practical with Viva Voce	Internal Assessment	(Final Practical Exam)	Total
		100	100

Note:

An examiner in the subject of Practical-P/I – Nursing Foundation – Practical with viva voce needs to be M.Sc. Nursing with any nursing specialty with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to help the students to develop an understanding of the philosophy, objectives, theories & process of nursing in various clinical settings. It is aimed at helping the students to acquire knowledge, understanding & skills in techniques nursing & practice them in clinical settings.

Areas	Time (Hrs)		Objectives	Skills	Assignments	Assessment Methods
	Clinical	Lab				
emonstration lab, General Medical & Surgical Ward	480	4	<ul style="list-style-type: none"> • Performs admission and discharge procedure. 	<p>Hospital admission and discharge</p> <ul style="list-style-type: none"> • Prepare unit for new admission • Performs & document admission, transfer in, transfer out, planned discharge, LAMA and referral procedure • Dismantle & disinfect unit & equipment after 	Supervised nursing practice in unit/ hospital.	<ul style="list-style-type: none"> • Completion of practical record. • Assessment of clinical performance with designed checklist/ rating scale. • Viva-voce • OSCE

		4	<ul style="list-style-type: none"> • Prepares patient reports • Presents written and oral patient reports 	<p>Documentation and reporting</p> <p>Document:</p> <ul style="list-style-type: none"> • Patient care, assessment findings & procedures • Incident report • Verbal order • Visit report 	<ul style="list-style-type: none"> • Write nurse's notes & present the patient report of 2-3 assigned patients. • Lab practice 	<ul style="list-style-type: none"> • Assessment of performance with rating scale.
		10	<ul style="list-style-type: none"> • Monitors vital signs 	<p>Vital signs:</p> <p>Monitor & document vital sign:</p> <ul style="list-style-type: none"> • Temperature (oral, axillary, rectal, tympanic, thermoscan digital) • Pulse (frontal, facial, carotid, apical, radial, brachial, femoral, popliteal, dorsalis pedis posterior tibial) • Respiration • Blood pressure • Calculate mean arterial pressure • Check SPO2 • Interpret the findings • Provide care to patient with fever, heat stroke, hypothermia, breathing 	<ul style="list-style-type: none"> • Measure vital signs of assigned patients. • Practice in lab & hospital 	<ul style="list-style-type: none"> • Assessment of each skill with checklist • Completion of activity record book

				<p>difficulty</p> <ul style="list-style-type: none"> • Care equipment used for monitoring vital signs 		
	2	Performs basic care of equipment and supplies	<p>Care of Equipment and supplies</p> <ul style="list-style-type: none"> • Take care of linen, rubber goods, glass ware, metal, plastics, furniture, machinery, sharps • Perform disinfection of equipment • Prepare solutions required for disinfections 	Practice in lab & hospital	<ul style="list-style-type: none"> • Assess observation study with checklist • Evaluate all procedures with checklist 	
	70	<ul style="list-style-type: none"> • Provides basic nursing care to patients 	<p>Meeting needs of patient</p> <ul style="list-style-type: none"> • Perform bed making (Open, Closed, Occupied, Post-operative, Cardiac bed Fracture bed, burn bed, amputation bed) • Provide comfort devices (Pillows, cardiac table, back rest, bed Cradle, foot board, bed block, trapeze bar) • Provide restraint to patient (jacket, mitt, 	Practice in lab & hospital	<ul style="list-style-type: none"> • Assessment of each skill with rating scale • Completion of activity record book 	

				<p>mummy restraint)</p> <ul style="list-style-type: none"> • Use of safety devices: side rails and any others • Give therapeutic Positions (Supine, Fowlers, lateral, prone, Sim's, Trendelenburg, Dorsal recumbent, Lithotomy, Knee chest) • Maintain hygiene of patient (bed bath, assisted bath, hair shampoo, oral care, nail & foot care, eye, ear & nose care, care of denture, hearing aids & contact lens, perineal care) • Performs pressure points care • Pressure sore risk assessment by using Norton & Braden scale. • Pain Pain assessment by using different scale • Administer hot & cold • Perform nutritional assessment 		
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			<ul style="list-style-type: none"> • Perform NG tube insertion, NG tube feeding • Assist in gastrostomy, Jejunostomy • Assist in administering TPN • Provide urinal & bed pan to patient • Collect & handle urine specimen for diagnosis • urinary catheterization & catheter care • Administer enema & suppository • Assist in stoma care • Perform range of motion exercise, assist in lifting, transferring, turning & moving the client • Oxygen administration • Inhalations: Dry and moist • Deep breathing exercises & incentive spirometry • Maintain intake output chart 	Practice in lab & ward.	<ul style="list-style-type: none"> • Assess observation study with checklist Evaluate all procedures with checklist
	10 (included in Mandatory module 1)	<ul style="list-style-type: none"> • Perform infection control procedures. 	<p>Infection control in Clinical setting</p> <ul style="list-style-type: none"> • Hand washing: medical & surgical • Isolation 	<ul style="list-style-type: none"> • Visit CSSD • Write observation report -1 • Do clinical posting in infection 	<ul style="list-style-type: none"> • Assess observation study with checklist • Evaluate all procedures with checklist

				precaution <ul style="list-style-type: none"> • Personal protecting equipment • Transmission based precautions • Biomedical Waste management: importance, categories of hospital waste & process of Biomedical Waste management • Transportation of infected patients • Body fluid spill management 	control department <ul style="list-style-type: none"> • Write a report (Observation study-2) • Practice in lab & ward. 	
		20	<ul style="list-style-type: none"> • Administers drugs through enteral and parental routes 	Administration of Medications <ul style="list-style-type: none"> • Dose calculations, conversion & preparation of solutions. • Administer drugs in different route: Enteral: Oral, sublingual and Buccal, NG tube Parental: Intradermal, Subcutaneous, Intramuscular, Intravenous. Topical: skin, mucous membrane, gargles, Direct application, transdermal patch,	<ul style="list-style-type: none"> • Practice in lab & ward. 	<ul style="list-style-type: none"> • Assessment of each skill with rating scale • Completion of activity record book

				spraying throat Instillations: eye, ear, nose, vaginal, rectal Inhalation: MDI, nasal Inhalers Irrigation		
	8	<ul style="list-style-type: none"> • Provides care to pre-& postoperative patients. • Performs procedures for care of wounds. 	Meeting Needs of Perioperative Clients <ul style="list-style-type: none"> • Preparation of pre & post-operative patient unit. • Skin preparation • Shifting the patient to OT • Post-operative patient monitoring • Wound care • Suture care • Drainage care 	<ul style="list-style-type: none"> • Practice in lab & ward. 	<ul style="list-style-type: none"> • Assessment of each skill with rating scale • Completion of activity record book 	
	4	<ul style="list-style-type: none"> • Provide care to dying and dead patient. • Counsel, support and provide bereavement care to family. 	Care of Terminally ill patient, death & dying <ul style="list-style-type: none"> • Identify clinical sign of death. • Perform last office care • Provide counselling & support to relative/families in grief 	<ul style="list-style-type: none"> • Practice in lab & ward. 	<ul style="list-style-type: none"> • Assessment of each skill with rating scale • Completion of activity record book 	

		4	Performs and interprets diagnostic tests for the patient	<p>Diagnostic testing</p> <p>Specimen collection:</p> <ul style="list-style-type: none"> • Blood: CBC, LFT, RFT, lipid profile, electrolytes, glucose, peripheral smear, culture, coagulation profile. • Stool: routine & microscopic examination • Urine: RE/ME, specific gravity, timed, culture • Sputum: culture, gram staining • Perform blood sugar monitoring • Urine testing by strip method <p>Prepare the patient for:</p> <ul style="list-style-type: none"> • Radiologic investigation: CT scan, X-Ray, MRI, USG • Endoscopic Procedures: upper GI endoscopy, colonoscopy 	Collection of samples for culture.	<ul style="list-style-type: none"> • Practice in lab & ward. 	<ul style="list-style-type: none"> • Assessment of each skill with rating scale • Completion of activity record book

		20 (include d as mandat ory module no.2	Provided first aid management of common conditions	First Aid & emergencies <u>First Aid Management of:</u> <ul style="list-style-type: none"> • Wounds, Haemorrhage & Shock • Bandaging: purpose, principle, type & techniques of bandaging. • Musculoskeletal Injuries: • Fractures, Dislocation, Muscle injuries & Transportation of Injured persons • Drowning • Foreign Bodies- Skin, Eye, Ear, Nose, Throat & Stomach • Burns & Scalds • Poisoning, Bites & stings • Frostbite & Heat stroke • Basic life support • Role of nurse in community disaster 		
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** Advance nursing procedures will be only observed during first years; skill training of these procedures will be ensured during subsequent years.*

RS-1 Psychosocial Nursing

Placement: First year

Time: 50 Hours (Theory)

Paper No	Subject	Internal Assessment	Final Exam	Total Marks
T/VI	Psychosocial Nursing	25(15+10)	75(40+35)	100

Section-A: Introduction to Psychology

Scheme of examination (Theory / Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/VI Section A	Introduction to Psychology	1 ½ hours	40

Question paper pattern

Essay type question : 2 x 10 = 20 Marks
Short Notes : 2 x 5 = 10 Marks
Short answer questions: 5 x 2 = 10 Marks

Note:

An examiner / paper setter in the subject of Paper – VI, Section A- Psychology need to have a post graduate degree in Psychology / Psychiatric nursing with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to assist the students to acquire knowledge of fundamentals of psychology & develop an insight into behavior of self & others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing factors.

COMPETENCIES:

1. Identify the importance of psychology in individual and professional life
2. Develop understanding of the biological and psychological basis of human behaviour
3. Identify the role of nurse in promoting mental health and dealing with altered personality
4. Perform the role of nurses applicable to the psychology of different age groups
5. Identify the cognitive and affective needs of clients
6. Apply various Cognitive processes in individual and professional life
7. Integrate the principles of motivation and emotion in performing the role of nurse in caring for emotionally sick client
8. Demonstrate basic understanding of psychological assessment and nurse's role.
9. Handle the clinical sessions independently with or without help of teachers.
10. Apply the knowledge of self-empowerment in workplace, society and personal life.

Unit no	Hours	Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
I	5	Describe the history, scope & methods of psychology.	<p>Introduction</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • History and origin of science of psychology • Relevance to nursing • Methods of psychology • Concept of biology of human behavior <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Branches of psychology • Personal and social adjustment. • Muscular and glandular controls of behaviour <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Scope of psychology 	Lecture cum discussion	<ul style="list-style-type: none"> • Essay type • Short notes Short answer questions
II	5	Explain the psychological needs of various age groups	<p>Developmental psychology</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Psychological needs of various groups in health and sickness- Infancy, childhood, adolescence, adulthood and old age <p><u>Desirable to know</u></p>	Lecture cum discussion	<ul style="list-style-type: none"> • Essay type • Short notes Short answer questions

			<ul style="list-style-type: none"> Psychology of vulnerable individuals -challenged, women, sick etc. <p><u>Nice to know</u></p> <ul style="list-style-type: none"> Role of nurse with vulnerable groups 		
III	17	Describe various cognitive processes & their applications.	<p>Cognitive Processes:</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> Attention: Types, determinants, Duration & degree and alterations Perception: Meaning, Principles, factors affecting and Errors Learning: Nature, Types, Learner and learning, Factors influencing, laws and theories, process, transfer and study habits Memory: Meaning, Types, Nature, Factors influencing, Development theories and methods of memorizing & forgetting Thinking: Types and levels, stages of development, Relationship with language and communication Intelligence: Meaning, classification, measurement, uses and theories Aptitude: Concept, types, Individual differences and variability <p>Applications</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> Alterations in cognitive process Development of Aptitude of a person <p><u>Nice to know</u></p> <p>Applications of cognitive processes.</p>	<ul style="list-style-type: none"> Lecture cum discussion Psychometric assessment. 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions
IV	7	Describe motivation, emotions, stress, attitudes &	<p>Motivation and Emotional processes:</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, 	<ul style="list-style-type: none"> Lecture cum discussion Role plays. Case Discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

		<p>their influence on behavior.</p>	<p>Conflicts and frustration.</p> <ul style="list-style-type: none"> • Emotions & stress ○ Emotion: Definition, components, Changes in emotions, theories, emotional adjustment, emotions in health and illness ○ Stress: stressors, cycle, effect. • Attitude: Meaning, nature, development and factors affecting, ○ Behaviour and attitudes <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Conflict resolution • Adaptation & coping • Attitudinal changes • Theoretical interpretations <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Alterations in emotions • Attitude impact on behaviour. • Manipulation of motives 		
V	7	<p>Explain the concepts of personality & its influence on behavior.</p> <p>Explain ego defence mechanisms</p>	<p>Personality:</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Definitions, topography, types and Theories • Psychometric assessments of personality, objective test, subjective test. • Applications • Aspect of psychoanalysis and Defence mechanisms <p><u>Desirable to know</u></p> <p>Personality assessment: objective test, projective test</p> <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Alternations in personality. • Use of ego Defence in behaviour 	<ul style="list-style-type: none"> • Lecture cum discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
VI	4	<p>Explain the psychological assessment & role of nurse.</p>	<p>Psychological assessment and tests</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Introduction • Types, development, characteristics, principles, uses • Psychometric assessments of cognitive processes, emotion & attitude. 	<ul style="list-style-type: none"> • Lecture cum discussion • Demonstration 	<ul style="list-style-type: none"> • Short notes • Short answer questions

			<p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Interpretation of psychological assessment and tests. <p><u>Nice to know</u></p> <p>Role of nurse in Psychological assessment</p>		
VII	5	Describe the characteristics of mentally healthy person.	<p><u>Must Know</u></p> <p>Mental health and mental hygiene</p> <ul style="list-style-type: none"> • Concept of mental hygiene and mental health. • Characteristics of mentally healthy person • Warning signs of poor mental health <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • personal & social adjustment <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Promotive and preventive mental health strategies and services. 	<ul style="list-style-type: none"> • Lecture cum discussion • Case Discussion • Role play • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

RS-1 Psychosocial Nursing
Section B: Introduction to Sociology

Placement: First year

Time: Theory – 50 Hrs
Practical- Nil

Scheme of examination (Theory / Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/VI Section B	Introduction to Sociology	1 ½ hours	35

Question paper pattern

Essay type question : 1 x 10 = 10 Marks
Short Notes : 3 x 5 = 15 Marks
Short answer questions: 5 x 2 = 10 Marks

Note:

An examiner / paper setter in the subject of Paper – VI, Section B introduction to sociology need to have a post graduate degree in Sociology with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to introduce the concepts of sociology related to community, hospital and Social institutions in India and its relationship with health, illness and nursing. It further provides students opportunity to recognize the significance and application of soft skills and self-empowerment in the practice of nursing.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Identify the scope and importance of sociology in Nursing
2. Integrate the knowledge of clinical sociology and its uses in crisis intervention
3. Acquires knowledge about interrelationship of individual in society and community
4. Appreciate the process of socialization and individualization and social context of health, disease and sickness
5. Identifies various social groups, different type of caste, class, social change and its influence on health and health practice
6. Understand about culture diversity and uniformity, sociocultural factors and its impact on health and disease
7. Understands about type of family and their influence on health and health practices.
8. Describes caste system, type of social stratification and their influence on health and health practices.
9. Develop understanding about social organization, social norms and values.

10. Appreciate the process of social control, norms and values and role of nurse.
11. Develop understanding about population distribution, its explosion and its impact on health status
12. Perform the role of nurse in dealing with social problems in India
13. Enumerates health, illness and nursing practice within the context of society and community.

Unit no	Hours	Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
I	04	State the importance of sociology in nursing.	<p>Introduction to sociology</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Definition, Nature and objectives, scope of sociology • Relevance of general and medical sociology • Importance of Sociology in nursing <p><u>Desirable to know</u></p> <p>Historical development of sociology</p> <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Sociology of health and disease 	Lecture cum Discussion	<ul style="list-style-type: none"> • Short notes • Short answers
II	03	Describes the nature and scope of clinical sociology	<p>Clinical Sociology</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Introduction, concepts and approaches • Nature and scope of clinical sociology <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Difference between clinical and general sociology. <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Social epidemiology: Approaches 	Lecture cum Discussion	<ul style="list-style-type: none"> • Short notes • Short answers

			<ul style="list-style-type: none"> • Application of clinical sociology to nursing profession 		
III	05	<ul style="list-style-type: none"> • Describes society and community • States the differences between Society & community 	<p>Society</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Society: Meaning, definition and its nature • Community: Meaning, definition and nature • Difference between society and community • Process of socialization and individualization <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Social context of health, disease, illness and sickness <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Personal disorganization in nursing profession and measures to overcome it. • Emerging nexus between human health and society 	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answers
IV	05	Identify various social groups & their interactions.	<p>Social Groups and Processes</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Social group: Meaning, definition and classification • Social processes and its uses in nursing process (Co-operation, competition and conflict) 	<ul style="list-style-type: none"> • Lecture cum Discussion • Panel Discussion 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers

			<p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Colley's classification: Primary and secondary <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Class based in equalities and health status • Illness as a social deviance 		
V	05	Describe the influence of culture on health & disease	<p>Culture</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Marriage :- Meaning family and functions of Marriage • Culture: Meaning, definition and nature of culture • Diversity and uniformity of culture • Socio cultural factors bearing on health in India <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Influence of culture on health and disease <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Modernization and its impact on health and disease 	Lecture cum Discussion	<ul style="list-style-type: none"> • Essay type • Short notes • Short answers
VI	05	Describe the institutions of family & marriage in India.	<p>Family and Marriage</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Marriage- Meaning, forms & functions of marriage • Family- Meaning, forms, Definitions, types, features & functions • Nuclear and Joint family system • Impact of family and marriage on health practices <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Recent changes in Indian 	• Lecture cum discussion	<ul style="list-style-type: none"> • Essay type • Short notes • Short answers

			<p>family system</p> <ul style="list-style-type: none"> • Marriages and family problems in India <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Legislations related to family and marriage 		
VII	04	Describe the class & caste system & their influence on health & health practices.	<p>Social Stratification</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Meaning, definition and types of social stratification • Indian caste system • Influence of class on health <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Social mobility • Changing features of caste system in present India <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Social class system and its relevance in Indian society • Class based inequalities and health status 	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Short notes • Short answers

VII I	05	Describe the social system & interrelationship of social organizations.	<p>Social organization and Social systems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Meaning, definition and types of social organization • Hospital as a social organization • Social system: definition and types • Social norms, moral and values <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Social distance between nurses and patient <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Commercialization of health care services 	<ul style="list-style-type: none"> • Lecture cum Discussion • Community survey 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answers • Assessment of report on community survey
IX	05	Explain the nature & process of social control	<p>Social Control</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Meaning, definition and nature of social control • Norms, values, customs, tradition, folkways and mores • Role of nurse to control health in community <p><u>Desirable to know</u></p> <p>Need of social control in hospital setting</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Community survey 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of report on community survey
X	05	Explain the growth of population in India & its impact on health	<p>Society and Population</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Malthusian theory of population • Measures to reduce the population explosion • Role of nurse to implement 	<ul style="list-style-type: none"> • Lecture cum Discussion • Community survey • Visits to rural & 	<ul style="list-style-type: none"> • Essay • Short answers • Assessment of report on community survey

			<p>small family norms</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Impact of population explosion on health status 	urban community	
XI	04	Describe the role of nurse in dealing with social problems in India.	<p>Social Problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Poverty, Illiteracy and rights of individual, women and children • Vulnerable groups: elderly, handicapped, substance abuse and HIV /AIIDS, mental illness & associated stigma • Corruption: Meaning, types, causes and consequences • Role of nurse in dealing with the social problems <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Terrorism: meaning, types causes, consequences and Remedial measures <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • National programs for women's, children and elder 	Lecture cum Discussion	<ul style="list-style-type: none"> • Short notes • Short answers

RS-1 Communicative English

Placement: I year

Duration: Theory 40 Hrs

Scheme of Examination

Paper	Subject	Internal Assessment	Final Exam*	Total Marks
T/VII	Communicative English	10	40	50

*conducted internally

Scheme of examination (Theory / Written)

Paper	Subject	Duration	Max. Marks Final Exam
T/VII	Communicative English	2 Hours	40

Question Paper Pattern

Essay type question : 2 x 10 = 20 Marks
Short Notes : 2 x 5 = 10 Marks
Short Answer type : 5 x 2 = 10 Marks (fill in blanks and matching)

Course Description:

The course is designed to enable students to enhance ability to speak and write the language (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experience.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Identify the significance of Communicative English for healthcare professionals
2. Apply the concepts and principles of English Language use in professional development such as pronunciation, vocabulary, grammar, paraphrasing, voice modulation, Spelling, pause and silence
3. Demonstrate attentive listening in different hypothetical situations
4. Converse effectively, appropriately and timely within the given context as an individual or to the team they are communicating with either face to face or by other means
5. Read, interpret and comprehend content in text, flow sheet, framework, figures, tables, reports, anecdotes etc...
6. Analyse the situation and apply critical thinking strategies
7. Enhance expressions through writing skills
8. Apply LSRW (Listening, Speaking, Reading and Writing) Skill in combination to learn, teach, educate and share information, ideas and results.

Unit no	Hours	Learning	CONTENT	Teaching Learning	Assessment
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		Objectives		Activities	Methods
I	3	Develops communication skills	<p>COMMUNICATION</p> <p>Must know</p> <ul style="list-style-type: none"> • Communication Basics in Professional Communication in nursing <p>Desirable to know</p> <ul style="list-style-type: none"> • Variance of communication in different companies-at hospital, railway station, a road work, in meeting etc <p>Nice to know</p> <ul style="list-style-type: none"> • Communication in public sectors 	<ul style="list-style-type: none"> • Lecture cum Discussion Practice Session 	<ul style="list-style-type: none"> • Objective Type. • Short Answer Questions. • Assessment of Practice
II	5	Review basic grammar Develop communication clues, reading and comprehensive skills	<p>Introduction to Listening Speaking Reading Grammar Writing (LSRGW)</p> <p>Must Know</p> <ul style="list-style-type: none"> • Grammar-rules related to • subject-verb-agreement, tense, preposition, adjective, voice change-direct & indirect speech. <p><i>Vocabulary</i></p> <ul style="list-style-type: none"> • <i>Pronunciation</i> • <i>Paraphrasing</i> • <i>Voice Modulation</i> • <i>Non-Verbal Communication</i> 	<ul style="list-style-type: none"> • Lecture cum Discussion Practice Session 	<ul style="list-style-type: none"> • Short notes. • Short answer type • Assessment of Practice

			<p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Communication in various health care setting <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Real time Communication (case study on different situations, communication at work place) • Phonetics 		
III	5	Demonstrates various attentive learning skills	<p>Attentive Listening</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Importance of Listening • Types of Listening • Reproducing Verbatim • Listening to academic talks/ lectures • Listening to presentation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Listening in different situations- instructions, discussions, demonstrations <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Listening announcements, descriptions, narratives, 	<ul style="list-style-type: none"> • Lecture cum Discussion Practice Session 	<ul style="list-style-type: none"> • Essay Type. • Short Answers Assessment of Practice
IV	9	Develops effective oral communication	<p>Speaking-Effective Conversation</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Types of oral communication • Key elements in oral communication • Greetings • Introductions • Permission seeking • Request making 	<ul style="list-style-type: none"> • Panel Discussion Practice Session 	<ul style="list-style-type: none"> • Essay Type. • Short Answers Assessment of Practice

			<ul style="list-style-type: none"> • Giving Directions and comparing. • Complaints and suggestions. • Telephone conversations <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Public Speaking • Motivational Speaking • International English Language Testing System Test of English as Foreign Language <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Scientific paper Presentation Skills • Describing people, places, events and things, narrating, reporting & reaching conclusions 		
V	5	Demonstrates Reading and comprehension skills	<p>Reading</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Reading strategies, reading notes and messages. • Comprehend • Everyday Vocabulary • Medical Vocabulary • Comprehending Visuals, graphs and figures • Idiomatic Expressions • Phrasal Verb <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Techniques of Speed-Reading • New Reading <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Comprehending Passage • Medical Vocabulary 	<ul style="list-style-type: none"> • Lecture cum Discussion Practice Session 	<ul style="list-style-type: none"> • Extempore • Group discussion Debates

			<ul style="list-style-type: none"> • Reading relevant articles and news items 		
VI	5	Demonstrates written communication skills	<p>Writing Skills</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • <i>Writing Patient history</i> • <i>Note Making</i> • <i>Summarising</i> • <i>Letter Writing</i> • <i>Report Writing</i> • <i>Anecdotal Records</i> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Script Writing • Article Writing <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Paper Writing • Diary/Journal Writing • Abstract Writing 	<ul style="list-style-type: none"> • Lecture cum Discussion • Practice Session 	<ul style="list-style-type: none"> • Short notes • short answer questions
VII	8	Demonstrates Listening, speaking, reading and writing skills	<p>LSRW SKILLS</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Oral Presentation • Debate • Group Discussion <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Error Analysis regarding LSRW <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Critical Thinking strategies 	<ul style="list-style-type: none"> • Lecture cum Discussion • Practice Session 	<ul style="list-style-type: none"> • Essay Questions • short answer questions

RS- 1 Computers & Nursing Informatics

Placement: First year

Time: Theory – 30 Hrs
Practical- 30 Hrs

Scheme of examination (Theory / Written)

Paper	Subject	Duration	Internal	Max. Marks Final Exam
T/VIII	Computers & Nursing Informatics*	2 Hours	10	40

*conducted internally

Question Paper Pattern

Essay type question : 2 x 10 = 20 Marks
Short Notes : 2 x 5 = 10 Marks
Short Answer Type : 5 x 2 = 10 Marks (fill in blanks and matching)

Note: The appointment of examiner will be made by the Principal of the college concerned, keeping in mind the minimum eligibility criteria stipulated (i.e. Postgraduate degree in the concerned subject and with a minimum of 3 years collegiate / university level teaching experience.)

Course Description: This course is designed to equip novice nursing students with knowledge and skills necessary to deliver efficient informatics- led health care services.

COMPETENCIES:

On completion of the course, the students will be able to

1. Develop a basic understanding of computer application in patient care and nursing practice
2. Apply the knowledge of computer and information technology in patient care and nursing education, practice, administration and research
3. Describe the principles of health informatics and its use in developing superior healthcare
4. Demonstrate the use of information system in healthcare for patient care and utilization of nursing data
5. Apply the knowledge of interoperability standards in clinical setting
6. Demonstrate the skills of using data in management of health care
7. Apply the knowledge of the principles of digital ethical and legal issues in clinical practice

Unit no	Hours		Learning Objective	CONTENT	Teaching Learning Activities	Assessment methods
	Th	Pr				
I	3	5	Identify & define various concepts used in computer.	<p>Introduction</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Concepts of Computer • Characteristics and generation of Computers • Basic Organization of Computer <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Hardware and software technology • Machine Language <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Evolution of computer • current trends of computer technology 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration 	<ul style="list-style-type: none"> • Short notes • Short answer type
II	7	12	<ul style="list-style-type: none"> • Describe and Use the Disk Operating System. • Demonstrate skill in the use of MS Office. 	<p>Disk operating system</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Introduction to disk operating system DOS <ul style="list-style-type: none"> • Windows (All version) • Introduction MS-Word, MS- Excel with pictorial presentation, MS- Access, MS-PowerPoint <p><u>Desirable to know</u></p>	<ul style="list-style-type: none"> • Lecture cum Discussion. • Demonstration • Practice Session 	<ul style="list-style-type: none"> • Short notes. • Short answer type • Practical Exam

				<ul style="list-style-type: none"> • User Interfaces • File extension system <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • User with system communication • Number system 		
III	10	10	<ul style="list-style-type: none"> • Demonstrate skill in using multi-media. • Identify features of computer aided teaching and testing. • Demonstrate various uses of computers in Nursing. 	<p>Uses of computer and applications</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Uses of computers and applications <p>Multimedia: Types & uses of computer in teaching & test.</p> <ul style="list-style-type: none"> • Uses of Internet & E-mail <p>Statistical packages & it's uses</p> <p>Applications of computer</p> <p>Applications of computers in Nursing.</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Management support system • Database Management <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Cloud based data management • Distributed data management 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration 	<ul style="list-style-type: none"> • Short notes. • Short answer type • Practical Exam • Viva voce
IV	10	3	<ul style="list-style-type: none"> • Describe about Nursing Informatics. • Apply 	<p>Nursing informatics</p> <p><u>Must know</u></p>	<ul style="list-style-type: none"> • Lecture cum Discussion. • Demonstration • Practice 	<ul style="list-style-type: none"> • Short notes. • Short answer type • Practical Exam

			<p>Nursing informatics in hospital and community.</p>	<p>Nursing Informatics</p> <ul style="list-style-type: none"> • General purposes • Uses of computer in nursing practices • Patient Record System • Nursing Records & Reports • Management information and evaluation system (MIES) • E- Nursing, Telemedicine, Telenursing. • Electronic medical records <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Computer based patient record system • Clinical decision support system <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Patient monitoring devices • ToT in healthcare 	<p>Session</p>	<ul style="list-style-type: none"> • Viva voce
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RS-1 REGIONAL LANGUAGE-ODIA

Placement – I Year

Theory hours: 30

Scheme of examination (Theory / Written)

Paper	Subject	Duration	Internal	Final Exam*
T/IX	Hindi/Regional Language	2 Hours	10	40

*conducted internally

Question Paper Pattern

Essay type question	: 1 x 10 = 10 Marks
Short Notes	: 2 x 5 = 10 Marks
Short Answer Type	: 10 x 2 = 20 Marks (fill in blanks and matching)

Note: The appointment of examiner will be made by the Principal of the college concerned, keeping in mind the minimum eligibility criteria stipulated (i.e. Postgraduate degree in the concerned subject and with a minimum of 3 years collegiate / university level teaching experience.)

Course Description: This course is designed to equip novice nursing students with knowledge and skills necessary to communicate effectively with patients.

COMPETENCIES

At the end of the course the students shall be able to:

1. Demonstrate ability to read and write simple Odia.
2. Translate from English to Odia and retranslate.
3. Demonstrate effective communication skill with the patient.
4. Perform history collection in Odia.
5. Perform effective delivery of health education to patient

Unit no.	Time (Hrs)	Learning objectives	Content	Teaching Learning Activities	Assessment Methods
I.	7	<ul style="list-style-type: none"> • Able to read & write the alphabets • Distinguish vowels & consonants • Explain the use of vowels • Read & write cardinal & ordinal numbers 	<p>Must Know</p> <ul style="list-style-type: none"> • Alphabets-vowels, signs of vowels • Alphabets- consonants • Conjunct consonants • Words using vowels & consonants • Cardinal numerals • Ordinals <p>Desirable to know</p> <ul style="list-style-type: none"> • Identify vowels & consonants from a given word 	<ul style="list-style-type: none"> • Lecture cum discussions • Practice sessions 	<ul style="list-style-type: none"> • Short notes • Short answer Questions

Unit no.	Time (Hrs)	Learning objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Identify & write the cardinals & ordinals 		
II	7	<ul style="list-style-type: none"> Identify & name the fruits, vegetables & body parts Able to tell the names of diseases Able to tell the names of foods & drinks 	<p>Must know</p> <ul style="list-style-type: none"> Vegetables & fruits Time, days, weeks & directions Family Parts of body Different stages of body Disease Foods & drinks <p>Desirable to know</p> <ul style="list-style-type: none"> List out the symptoms of common diseases in Odia 	<ul style="list-style-type: none"> Lecture cum discussions Practice sessions 	<ul style="list-style-type: none"> Short notes Short answer Questions
III	6	<ul style="list-style-type: none"> Able to identify & make proper use of noun, pronoun, adjectives, articles & verbs Explain the content & underlying meaning in a text 	<p>Must Know</p> <ul style="list-style-type: none"> Noun & pronoun Adjective & article Verb Cases, gender, number Tense-present Tense-past & future <p>Desirable to know</p> <p>Interacts with the patient in Odia</p> <p>Nice to know</p> <p>Clarify the queries of patients in OPD & IPD</p>	<ul style="list-style-type: none"> Lecture cum discussions Practice sessions 	<ul style="list-style-type: none"> Short notes Short answer Questions
IV	6	<ul style="list-style-type: none"> Explain meaning of words & phrases Able to make sentences using two, three & more words, with knowledge of tense. Able to write and explain about self, family, aims, institution Able to communicate 	<p>Must Know</p> <ul style="list-style-type: none"> Making sentences using two words Making sentences using three words Conversation- about me, about my family Conversation about the institution, about your aim Conversation about your profession, state Conversation with the patients at the time of treatment 	<ul style="list-style-type: none"> Lecture cum discussions Practice sessions 	<ul style="list-style-type: none"> Essay type question Short notes Short answer Questions

Unit no.	Time (Hrs)	Learning objectives	Content	Teaching Learning Activities	Assessment Methods
		with the patients <ul style="list-style-type: none"> Form the habit of reading and listening for pleasure & information 	<ul style="list-style-type: none"> Common instructions <p>Desirable to Know</p> <ul style="list-style-type: none"> Maintain good therapeutic IPR with patients Read small story or article in Odia Speak about health care tips <p>Speak about common preventive measures</p> <p>Nice to know</p> <p>Instruct the patients about do's and don'ts for the disease</p>		
V	4	Can translate from English to Odia & Odia to English	<ul style="list-style-type: none"> History collection format translation Translation Retranslation <p>Desirable to Know</p> <ul style="list-style-type: none"> Give health education on priority issues to the patients <p>Nice to know</p> <ul style="list-style-type: none"> Make the patient understand the discharge advice, medication protocol etc. 	<ul style="list-style-type: none"> Lecture cum discussions Practice sessions 	<ul style="list-style-type: none"> Essay type question Short notes Short answer Questions

B.Sc. (Hons) NURSING II YEAR

RS- 1 Pharmacology and Pathology

Placement: Second year

Scheme of Examination (Theory/Written)

Paper No	Subject	Duration (Hr)	Internal Assessment	Final Exam	Total Marks
T/X	Pharmacology and Pathology	3	25 (15+10)	75 (45+30)	100

Section A: Pharmacology

Placement: Second year

Time: Theory – 60 Hrs

Scheme of Examination (Theory/Written)

Paper	Subject	Duration (Hr)	Max. Marks (Final Exam)
T/X Section A	Pharmacology	1 1/2	45

Question Paper Pattern

Essay type question : 2 x 10 = 20 Marks

Short Notes : 3x 5 = 15 Marks

Short Answer type : 5 x2 = 10 Marks

Note:

An examiner / paper setter in the subject of Paper –T/X (Section: A) Pharmacology need to have a post graduate degree MD / MSc in Pharmacology with 3 years of collegiate / university level teaching experience.

Course Description: This course is designed to enable students to acquire understanding of Pharmacodynamics, Pharmacokinetics, Principles of Therapeutics & nursing implications

COMPETENCIES:

On completion of the course, the students will be able to

1. Describe pharmacokinetics and pharmacokinetics
2. Review the principles of drug calculation and administration
3. Explain chemotherapy of specific infections and infestations
4. Explain the commonly used antiseptics and disinfectants
5. Describe the pharmacology of drugs acting on the Gastrointestinal system
6. Describe the pharmacology of drugs acting on the respiratory system
7. Explain the drugs used in the treatment of urinary system disorders
8. Explain drugs used in deaddiction and poisoning
9. Explain about Immuno suppressants and immunization drugs
10. Review about deficiencies of vitamins and minerals
11. Explain the drugs used in the treatment of ENT, Skin and Mucous membrane
12. Describe the drugs used on Autonomic nervous system
13. Explain the drugs used in the treatment of central nervous system
14. Describe drugs used in the treatment of cardiovascular and blood disorders
15. Explain the drugs used for hormonal replacement and for the pregnant women during antenatal, intra natal and postnatal period
16. Discuss the role and responsibilities of nurses towards safe administration of drugs used to treat disorders of various systems with basic understanding of pharmacology
17. Demonstrate awareness of common drugs used in alternative system of medicine

Unit no	Hours	Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
I	5	Describe Pharmacodynamic, Pharmacokinetics, Classification, Principles of Administration of Drugs.	<p>Introduction</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Definitions • Branches, nature & sources • Terminology used. • Types: Classification • Abbreviations, Prescription, Drug calculation, Weights and measures. <ul style="list-style-type: none"> • Dosage forms. 	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> • Therapeutic, adverse, Toxic effects. • Review: Factor Modifying Dose, Route and Principles of Administration of drugs • Rational use of drugs & principles of therapeutics <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Pharmacodynamics: Actions, Drug Antagonism, Synergism, Tolerance, Receptors, • Medication errors and ADR reporting <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Pharmacokinetics: Absorption, Bioavailability, Distribution, Metabolism, Interaction, Excretion • Indian pharmacopoeia: Legal Issues, drug Laws, Schedule drugs. 		
II	9	Explain chemotherapy of specific infections & infestations & nurse's responsibilities	<p>Chemotherapy</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • General Principles of use of antimicrobials, etc. <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of Commonly used</p> <ul style="list-style-type: none"> • Penicillin, • Cephalosporin's, • Amino glycosides, 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<p>Macrolide & broad-spectrum antibiotics,</p> <ul style="list-style-type: none"> • Sulphonamides quinolones, others. <p>Antimicrobials, Anaerobic infections,</p> <ul style="list-style-type: none"> • Antimalarials, Anthelmintics, Anti scabies agents, • Antiviral, Antifungal agents, • Antitubercular drugs, Antileprosy drugs, • Anticancer drugs, <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Penicillin, Cephalosporin's, • Amino glycosides, Macrolide & broad-spectrum antibiotics, • Sulphonamides quinolones, others. <p>Antimicrobials, Anaerobic infections,</p> <ul style="list-style-type: none"> • Antimalarials, Anthelmintics, Anti scabies agents, • Antiviral, Antifungal agents, • Antitubercular drugs, Antileprosy drugs, • Anticancer drugs, 		
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III	2	Describe antiseptics, disinfectant & insecticides & nurse's responsibilities	<p>Pharmacology of common used</p> <p>Antiseptics & disinfectant</p> <p><u>Must Know</u></p> <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of commonly used</p> <p>Antiseptics, Disinfectants</p> <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of Antiseptics, Disinfectants</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ presentation 	<ul style="list-style-type: none"> • Short notes • Short answer
IV	2	Describe drugs acting on gastrointestinal system & nurse's responsibilities	<p>Drugs acting on Gastrointestinal system</p> <p><u>Must Know</u></p> <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of commonly used</p> <ul style="list-style-type: none"> • Antiemetics • Emetics • Purgatives • Antacids and anti-peptic ulcer drugs • Fluid and electrolyte therapy • Anti-diarrhoeal • Histamines 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ presentation 	<ul style="list-style-type: none"> • Short notes • Short answer

			<p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Antiemetics • Emetics • Purgatives • Antacids and antiseptic ulcer drugs • Fluid and electrolyte therapy • Anti-diarrhoeal • Histamines 		
V	2	Describe drugs acting on respiratory system & nurse's responsibilities	<p>Drugs used on respiratory systems</p> <p><u>Must Know</u></p> <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of commonly used</p> <ul style="list-style-type: none"> • Antiasthmatics • Mucolytics • Decongestants • Expectorants • Antitussives • Bronchodilators • Broncho constrictors • Antihistamines <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Antiasthmatics • Mucolytics • Decongestants • Expectorants • Antitussives • Bronchodilators • Broncho constrictors • Antihistamines 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/presentation 	<ul style="list-style-type: none"> • Short notes
VI	4	Describe drugs acting on urinary system & nurse's	<p>Drugs used on urinary system</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ 	<ul style="list-style-type: none"> • Essay type question • Short notes

		responsibilities	<p><u>Must Know</u></p> <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of commonly used</p> <ul style="list-style-type: none"> • Diuretics and antidiuretics, urinary antiseptics • acidifiers and alkalizers <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Diuretics and antidiuretics, urinary antiseptics • acidifiers and alkalizers • drugs toxic to kidney 	presentation	<ul style="list-style-type: none"> • Short answer
VII	4	Describe drugs used in deaddiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization & immunosuppression & nurse's responsibilities	<p>Miscellaneous</p> <p><u>Must Know</u></p> <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of commonly used</p> <ul style="list-style-type: none"> • Drugs used in deaddiction • Drugs used in CPR and emergency • Vitamins and minerals • Immunosuppressant & Immunostimulants • Antidotes • Vaccines & sera • Common poisons, drugs used for treatment of poisoning & Snake Bite (Including ASV) 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Drugs used in deaddiction • Drugs used in CPR and emergency • Vitamins and minerals • Immunosuppressant & Immunostimulants • Antidotes • Vaccines & sera • Common poisons, drugs used for treatment of poisoning & Snake Bite (Including ASV) 		
VIII	2	Describe drugs skin & mucous membranes & nurse's responsibilities	<p>Drugs used on ENT, skin & mucous membranes</p> <p><u>Must Know</u></p> <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse of commonly used</p> <ul style="list-style-type: none"> • Topical applications for skin eye, ear, nose and buccal, cavity • Antipruritic <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Topical applications for skin eye, ear, nose and buccal, cavity • Antipruritic 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ presentation 	<ul style="list-style-type: none"> • Short notes • Short answer
IX	4	Describe drugs used on nervous system & nurse's responsibilities	<p>Drugs acting on ANS</p> <p><u>Must Know</u></p> <p>Basic and Applied pharmacology including role of nurse of commonly used:</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/ presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> • Cholinergic and anti-cholinergic • Adrenergic & Nor-adrenergics 		
X	8	Describe drugs used on nervous system & nurse's responsibilities	<p>Drugs acting on CNS <u>Must Know</u> Basis & applied pharmacology of commonly used:</p> <ul style="list-style-type: none"> • Analgesics <ul style="list-style-type: none"> ○ Non-steroidal anti-inflammatory (NSAID) drugs • Antipyretics • Opioids & Non-Opioids • General (techniques of GA, pre anaesthetic medication) & local anaesthetics • Gases: oxygen, nitrous, oxide, carbon-dioxide & others • Hypnotics and sedatives • Muscle relaxants • Anti-psychotics • Antidepressants • Anti-Anxiety drugs • Mood stabilizers • Anticonvulsants • Acetylcholine <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Stimulants ethyl alcohol and treatment of methyl alcohol poisoning 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug study/presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer
XI	8	Describe drugs used on cardiovascular system & nurse's	<p>Cardiovascular drugs <u>Must Know</u></p> <ul style="list-style-type: none"> • Haematinics, & 	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type question • Short notes

		responsibilities	<p>treatment of anemia</p> <ul style="list-style-type: none"> • Cardiotonic • Anti-anginal & Antiarrhythmics • Anti-hypertensive & vasodilators • Coagulants & Anticoagulants • Antiplatelets & thrombolytics • Hypolipidemic • Plasma expanders & treatment of shock <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse</p> <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Haematinics, & treatment of anemia • Cardiotonic • Anti-anginal & Antiarrhythmics • Anti-hypertensive & vasodilators • Coagulants & Anticoagulants • Antiplatelets & thrombolytics • Hypolipidemic 	Drug study/ presentation	<ul style="list-style-type: none"> • Short answer
XII	8	Describe drugs used for hormonal disorder & supplementation, contraception & medical termination of pregnancy & nurse's responsibilities	<p>Drugs used for hormonal, disorders and supplementation, contraception and medical termination of pregnancy</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Insulin's & oral hypoglycaemic • Thyroid supplements and Suppressants • Steroids, anabolic • Uterine stimulants and relaxants • Oral contraceptives 	<ul style="list-style-type: none"> • Lecture cum Discussion • Observational visit 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> • Other oestrogen progesterone preparations • Corticotrophin & gonadotropins • Adrenaline • Prostaglandins • Calcitonin, parathormone, vit. D3, calcium metabolism. • Calcium salts • Calcium regulators <p>Composition, action, dosage, route, indications, contraindications, side effects, and role of nurse</p> <p><u>Desirable to know</u></p> <p>Drug Interactions adverse effects & toxicity of</p> <ul style="list-style-type: none"> • Insulin's & oral hypoglycaemic • Thyroid supplements and Suppressants • Steroids, anabolic • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen progesterone preparations • Corticotrophin & gonadotropins • Adrenaline • Prostaglandins • Calcitonin, parathormone, vit. D3, calcium metabolism. • Calcium salts • Calcium regulators 		
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XIII	2	Demonstrate awareness of common drugs used in alternative system of medicine.	Introduction to drugs used in alternative systems of medicine: Must Know Ayurveda, homeopathy, Unani and Siddha etc. Role of Nurse in alternative system of medicine.	<ul style="list-style-type: none"> • Lecture cum Discussion Observational visit 	<ul style="list-style-type: none"> • Short notes • Short answer
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Section B: Pathology

Placement: Second Year

Duration:40 Hour

Scheme of Examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/X Section-B	Pathology	1 ½ hour	30

Question Paper Pattern

Essay type question : 1x 10 = 10 Marks
Short Notes : 2 x 5 = 10 Marks
Short Answer Questions : 5 x 2 = 10 Marks

Note:

An examiner / paper setter in the subject of paper Section-B: Pathology need to have a post graduate degree in Pathology / Post graduate degree in Medical-Surgical Nursing with minimum of 3 years collegiate / university level teaching experience.

Course Description: The course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

Competencies

At the end of the course the student shall be able to:

- Develop basic understanding about pathology, cellular tissue changes, inflammation and infection and its application in the field of nursing.
- Describe the mechanism and morphologic pattern of tissue response to injury.
- Explain the clinical manifestation and pathological changes in disease conditions of various systems.
- Identify the deviations from normal to abnormal structure and functions of the body systems.
- Understand about various laboratory tests, collection, storage and analysis of blood, CSF, sputum, semen, gastric and duodenal content, Bone marrow tests, urine and faeces in the assessment and monitoring of disease conditions.

Unit	HRS		Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Method
	Th	Pr				
I	6		<ul style="list-style-type: none"> Define the common terms use in pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system 	<p>Introduction <u>Must Know</u> Introduction</p> <ul style="list-style-type: none"> Importance of the study of pathology Definition of terms Methods and techniques Cellular and tissue changes Infiltration and regeneration Inflammations and infections Wound healing Vascular changes Cellular growth, Neoplasms Normal and Cancer cell Benign and Malignant growths Immunity & its types Hypersensitivity reaction <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> In situ carcinoma <p>Disturbances of fluid and electrolyte imbalance</p> <p><u>Nice to know</u> Introduction to autoimmune disease</p>	<ul style="list-style-type: none"> Lecture cum Discussion Seminar 	<ul style="list-style-type: none"> Essay type Short notes Short answers
II	21		<p>Explain Pathological changes in disease conditions of various systems</p>	<p><u>Must Know</u> Special Pathology Pathological changes in disease conditions of various systems:</p> <p>Respiratory tract</p> <ul style="list-style-type: none"> Tuberculosis, Bronchitis, Pleural effusion and pneumonia, Bronchiectasis Bronchial asthma, Chronic obstructive Pulmonary disease & tumours <p>Cardio-vascular system</p> <ul style="list-style-type: none"> Pericardial effusion Rheumatic heart disease 	<ul style="list-style-type: none"> Lecture cum Discussion Seminar Seminar Explain using charts, slides, specimen, X-rays & scans Observation visit to pathology lab 	<ul style="list-style-type: none"> Essay type Short notes Short answers

			<ul style="list-style-type: none"> • Ischemia, infarction • Atherosclerosis • Infective endocarditis <p>Blood Disorders</p> <ul style="list-style-type: none"> • Anaemia and its types <p>Gastro Intestinal Tract</p> <ul style="list-style-type: none"> • Peptic ulcer <p>Intestine: Typhoid, Tuberculosis, amoebic pathology</p> <ul style="list-style-type: none"> • Acute pancreatitis <p>Liver, Gall bladder & Pancreas</p> <ul style="list-style-type: none"> • Hepatitis, Chronic liver abscess, cirrhosis <p>Kidneys & Urinary tract</p> <ul style="list-style-type: none"> • Glomerulonephritis, pyelonephritis, • Calculi, renal failure • cystitis <p>Male genital systems</p> <ul style="list-style-type: none"> • Prostatic hyperplasia, carcinoma Penis & prostate <p>Female genital system</p> <ul style="list-style-type: none"> • Fibroids • Carcinoma cervix and Endometrium • Vesicular mole, choriocarcinoma • Ovarian cyst & tumours <p>Central Nervous system</p> <ul style="list-style-type: none"> • Hydrocephalus, Meningitis, encephalitis, • Stroke, paraplegia, • Quadriplegia <p>Skeletal system</p> <ul style="list-style-type: none"> • Bone healing, • Osteoporosis, <ul style="list-style-type: none"> • Osteomyelitis <p>Others: Cancer Breast</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Lung abscess, emphysema, • Aneurysm 		
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				<ul style="list-style-type: none"> • Leukaemia and its types • Carcinoma of GI tract buccal, Esophageal • Gastric & intestinal • Tumours of liver, gall bladder. • Renal carcinoma • Cryptorchidism, testicular atrophy • Vascular disorders • Tumours- meningiomas Gliomas • Arthritis & bone tumours <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Bleeding disorders • Ectopic gestation 		
III	6	2	Describe various laboratory tests in Assessment and monitoring of disease conditions	<p><u>Must Know</u></p> <p>Clinical pathology</p> <p>Various blood and bone marrow tests in assessment and monitoring of disease conditions</p> <ul style="list-style-type: none"> • Haemoglobin • RBC, White cell & platelet counts • Bleeding time, clotting time and prothrombin time • Blood grouping and cross matching • Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Examination of Bone marrow <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Other blood test 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Explain using charts, slides, specimen, X-rays & scans • Observation visit to pathology lab and Blood bank 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answers
IV	1	1	Describe the laboratory tests for examination of body cavity fluid,	<p><u>Must Know</u></p> <p>Examination of body cavity fluids, transudates and exudates</p> <ul style="list-style-type: none"> • The laboratories tests used in CSF analysis. <p>Methods of collection of CSF and other cavity fluids specimen for various clinical pathology,</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Demonstration 	<ul style="list-style-type: none"> • Short notes • Short answers

			transudates and exudates	biochemistry, microbiology tests, inference and normal values <u>Desirable to know</u> <ul style="list-style-type: none"> Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge etc <u>Nice to know</u> <ul style="list-style-type: none"> Analysis of semen sperm count, motility and morphology and their importance in infertility Analysis of gastric and duodenal contents. 		
V	2	1	Describe the laboratory tests for examination of urine and feces	<u>Must Know</u> Urine and Faeces Urine <ul style="list-style-type: none"> Physical characteristics Faeces <ul style="list-style-type: none"> Characteristics Stool examination: occult blood. Methods of collection for various tests, inference and normal values. <u>Desirable to know</u> <ul style="list-style-type: none"> Analysis of urine 	<ul style="list-style-type: none"> Lecture cum Discussion Seminar Demonstration 	<ul style="list-style-type: none"> Short notes Short answers

Practical Competencies

1. Collection of relevant clinical samples.
2. Blood/ CSF/urine/ sputum/ body fluids etc. for different clinical pathological investigations.
3. Follow the Dos and Don'ts while handling different samples
4. Storage and transport of the clinical specimens
5. Standard precautions: hand wash, asepsis and antisepsis.
6. Proper handling of the samples
7. Interpretation of reports.

RS-1 MEDICAL SURGICAL NURSING– I

(Including geriatric nursing)

Placement: Second year

Time: Theory- 210 Hours (including 2 hours for mandatory module on BLS)

Practical/ Clinical- 960 Hours

(including 8 hours for mandatory module on BLS)

Paper No	Subject	Internal Assessment	Final Exam	Total Marks
T/ XI	Medical Surgical Nursing– I	25	75	100

Scheme of examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/ XI	Medical Surgical Nursing – I	3 hours	75

Question paper pattern

Essay type question: 3 x 10 = 30 Marks

Short Notes: 5 x 5 = 25 Marks

Short answer type: 10 x 2 = 20 Marks

Note:

An examiner / paper setter in the subject of Paper –T/XI Medical Surgical Nursing- I need to be M.Sc. Nursing, Medical Surgical Nursing specialty & with 3 years of collegiate teaching experience.

Course Description: The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Specific Learning Objectives

At the end of the course the student will be able to:

1. Describe the selected medical surgical conditions
2. Recognize treatment modality of medical surgical conditions
3. Explain the ethical and legal aspects involved in care of patients with medical surgical conditions.
4. Justifies the importance of various diagnostic measures in medical surgical nursing.
5. Develop positive attitude in managing patients with selected medical surgical conditions
6. Perform physical assessment of patient with medical surgical conditions
7. Assist in various diagnostic measures pertaining to medical surgical conditions
8. Develop skills in managing patients with medical surgical conditions
9. Perform the role of nurse in the health care management team

Unit no	Hours	Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
I	3	<ul style="list-style-type: none"> • Appreciate the trends in medical and surgical nursing. • Describe the role of a nurse in caring for adult patient in hospital and community. • Describe the concepts of Medical Surgical asepsis. 	<p>Identifies the basic concepts of medical surgical nursing</p> <p><u>Must Know</u></p> <p>Introduction to medical surgical nursing</p> <p><u>Desirable to know</u></p> <p>International classification of disease</p> <p><u>Nice to know</u></p> <p>Review of Nursing process</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice 	<ul style="list-style-type: none"> • Short notes • Short answer
II	12	Describe the common signs, symptoms, problems and their specific nursing interventions.	<p>Describe the common signs, symptoms, problems and their specific nursing interventions</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Fluid imbalance • Electrolyte imbalance • Shock • Incontinence • Inflammation • Wound healing. • Pain • Fever • Unconsciousness, syncope • Edema <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Dyspnoea and cough • Sleep disorder <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Vomiting 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Case Discussion 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

III	20	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of respiratory systems.	<p>Nursing management of patients with respiratory problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Asthma • COPD • Pneumonia • Pulmonary Tuberculosis • Pleural Effusion • Pulmonary Embolism • Pulmonary edema • Acute Respiratory Failure • Atelectasis • Lung Abscess <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Pulmonary Hypertension • Chest injuries <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Sarcoidosis • Interstitial lung disease • Occupational lung Disease 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Seminar/ Case Discussion • Explain using charts, graph. • Models, films & slides • Health Education • Drug book/ Presentation 	<ul style="list-style-type: none"> • Essay type • question • Short notes • Short answer
IV	30	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of digestive systems.	<p>Nursing management of patients with disorders of digestive system</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Hiatal hernia • Gastritis • Peptic ulcer • Gastric cancer • Intestinal Obstruction • Inflammatory Bowel Disease • Gastro enteritis • Appendicitis • Herniations • Colo rectal Cancer • Ostomies and its care • Haemorrhoids • Abdominal Trauma • Acute Abdomen 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides • Health Education • Drug book/ Presentation 	<ul style="list-style-type: none"> • Essay type • question • Short notes • Short answer

			<ul style="list-style-type: none"> • Peritonitis • Pancreatitis • Hepatitis • Cirrhosis • Portal hypertension • Hepatic failure • Cholecystitis • Cholelithiasis • Hepatic failure <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Stomatitis • Gingivitis • Parotiditis • Bleeding and tumours of oesophagus • Diverticular disorders • Ca of hepato biliary system <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Sarcoidosis • Interstitial lung disease • Occupational lung Disease 		
V	15	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with hematologic problems.	<p>Nursing management of patients with hematologic problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Leukaemia • Anaemias • Sickle cell Anaemias • Haemophilia • Blood and blood products: handling and transfusion • Bone marrow transplantation • Bio-safety and waste management in relation to blood transfusion <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Lymphomas • Thalassemia • Thrombocytopenia 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides Health Education • Drug book/ Presentation • Visit to blood bank • Participation in blood donation camp & Counselling 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> • Multiple myeloma <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of haematologic system • Blood bank functioning and hospital transfusion committee 		
VI	20	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Genito-urinary system.	<p>Nursing management of patients with Genito-urinary problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Calculi of GU • Benign prostrate hypertrophy • Glomerulonephritis • Acute renal failure • Chronic renal failure & ESRD • Dialysis & Renal Replacement therapy • Renal Transplantation • Urinary Tract Infection <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Strictures of GU • Nephrotic syndrome • Nephrosis • Pyelonephritis • CA Bladder& Prostrate • Urinary Diversions • Hydrocele • Varicocele <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of Genito-urinary system • Cystitis • Trauma of Ureter, Bladder, Urethra • Prostatitis 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides • Health Education • Drug book/ Presentation 	<ul style="list-style-type: none"> • Essay type • question • Short notes • Short answer
VII	12	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders	<p>Nursing Management of patient with disorders of endocrine system</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Hyperthyroidism • Hypothyroidism 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

		of endocrine system.	<p>Hyperparathyroidism</p> <ul style="list-style-type: none"> • Hyperpituitarism: Gigantism and Acromegaly • Cushing's Syndrome • Addison's Disease • Diabetes Mellitus & Pre-metabolic Syndrome <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Thyroiditis • Hypoparathyroidism • Hypopituitarism • Diabetes Insipidus • Syndrome of inappropriate ADH <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of endocrine system • Pheochromocytoma (Adrenal Tumour) 	<p>charts, graph.</p> <ul style="list-style-type: none"> • Models, films & slides • Health Education • Drug book/ Presentation 	
VIII	12	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of skin.	<p>Nursing management of patient with disorders of Integumentary system</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Eczematous Disorders • Pemphigus • Cellulites • Psoriasis • Skin Cancer • Gonorrhoea • Syphilis <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Acne vulgaris • HPV infection • Genital herpes <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of integumentary system • Lesions & Abrasions • Alopecia 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides • Health Education • Drug book/ Presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

IX	18	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of musculoskeletal system.	<p>Nursing management of patient with musculoskeletal problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Osteo arthritis • Rheumatoid arthritis • Osteoporosis • Osteomyelitis • TKR & THR • Fractures • Amputation • IVDP <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • GOUT Arthritis • Reactive arthritis • Osteomalacia • Strains & Sprains • Dislocations • Subluxations • Use of Orthosis & Prosthesis • Scoliosis • Kyphosis • Lordosis <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of musculoskeletal system • Paget's Disease • Muscular Dystrophy 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides • Health Education • Drug book/ Presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer
X	10	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Immunological system.	<p>Nursing management of patient with Immunological problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Secondary immunodeficiencies • HIV/AIDS • Transmission and prevention of transmission • Standard Safety precautions • Infection control program • Rheumatic Fever 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides • Health Education • Drug book/ Presentation • Orientation visit 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> • Systemic Lupus Erythematosus <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Primary immunodeficiency <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of immunological system • Phagocytic dysfunction • B-cell and T-cell deficiencies 	to hospital infection control setup	
XI	15	Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures & management of patients with disorders of Ear Nose & Throat	<p>Nursing management of patient with disorders of ear, nose and throat</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Tympanic membrane perforation • Acute Otitis media • Chronic Otitis media • Meniere's disease • Epistaxis • Rhinitis • Sinusitis • Deviated nasal septum • Tonsillitis <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Labyrinthitis • Foreign bodies in ear, nose & throat • Deafness: Prevention, control and rehabilitation (Hearing aids, implanted hearing devices) • Nasal polyps • Pharyngitis <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of ear, nose and throat • Speech defects and speech therapy 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> • Adenoiditis • Peritonsillar abscess • Ototoxicity 		
XII	15	Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures & management of patients with disorders of Eye	<p>Nursing management of patient with disorders of eye</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Nursing assessment-history and physical assessment • Conjunctivitis • Keratitis • Cataract • Glaucoma • Blindness • Myopia • Hypermetropia • Astigmatism • Presbyopia <p><u>Desirable to Know</u></p> <ul style="list-style-type: none"> • Hordeolum • Chalazion • Eye-banking • Eye prosthesis and rehabilitation • Eye camps • Role of nurse in communication with visually impaired patients <p><u>Nice to Know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of eye • Blepharitis • Uveitis • Retinal detachment • Retinitis 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book /presentation • Visit to eye bank • Participation in eye-camps 	<ul style="list-style-type: none"> • Essay type • question • Short notes • Short answer
XIII	8	Explain the concept and problems of aging	<p>Nursing care of the elderly</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Concepts and theories 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs 	<ul style="list-style-type: none"> • Essay type question • Short

			<ul style="list-style-type: none"> of ageing • Common health problems and nursing management • Role of nurse in care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual • Risk assessment and prevention in elderly <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Physiology of ageing • Use of aids and prosthesis (hearing aids, dentures) • Legal and ethical issues • Home and institutional care <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • National program for health care of elderly 	<ul style="list-style-type: none"> • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> notes • Short answer
XIV	20 (including 2 hours covered in mandatory module on BLS)	<ul style="list-style-type: none"> • Describe the organization and physical set up of operation theatre. • Identify the various instruments and equipment used for common surgical procedures. • Describe the infection control measures in the Operation Theatre. <p>Describe the role of the nurse in the Peri Operative nursing care.</p>	<p>Peri operative nursing:</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Duties and responsibilities of nurse in OT • Principles of operating room attire • Scrubbing procedures • Gowning and gloving • Preparation of OT sets • Monitoring the patient during surgical procedures • Maintenance of therapeutic environment in OT • Standard safety measures • Infection control: fumigation, disinfection and sterilization • Biomedical waste 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Explain using charts, graph. • Models, films & slides • Drug book/ Presentation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<p>management</p> <ul style="list-style-type: none"> • Prevention of accidents and hazards in OT <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Classification • OT Design • Staffing • Members of OT team • Legal aspects in OT • Basic instruments set use in OT • Equipment in O T • Sutures and suture materials • OT tables and sets for common surgical procedures • Positions and draping for common surgical procedures <p>Anaesthesia (including mandatory BLS Module)</p> <ul style="list-style-type: none"> • Types • Methods of administration • Effects and stages • Equipment • Drugs <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Pain management techniques 		
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Mandatory module 1: BLS

Placement: BSc II year Subject: Medical Surgical Nursing I

Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment Methods
Th	Pr				
2	8	Describe, understand and perform the basic life support	<ul style="list-style-type: none"> Review of relevant anatomy and physiology of cardiovascular system and respiratory system Introduction to basic life support course Adult basic life support 	<ul style="list-style-type: none"> Lecture cum discussion, Demonstration Practice sessions 	<ul style="list-style-type: none"> Return demonstrations OSCE

Elective module 1: Diabetic care

Placement: BSc II year Subject: Medical Surgical Nursing I

Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment Methods
Th	Pr				
8	2	Describe diabetes mellitus and provide care to the patients with diabetes mellitus	<ul style="list-style-type: none"> Review of relevant anatomy and physiology of endocrine system Diabetes mellitus I & II Treatment plans for diabetic and pre-diabetic patients Short term & chronic complications of diabetes and their management Health education for diabetic patients 	<ul style="list-style-type: none"> Self-instructional module video assisted teaching 	<ul style="list-style-type: none"> Return demonstration OSCE MCQ Short answer question Essay question

RS-1 Medical-Surgical Nursing– I (Practical/ Clinical)

Placement: Second Year

Time: 960 Hours

(including 8 hours for mandatory module on BLS)

Practical – P/ II Medical – Surgical Nursing – I Practical with Viva Voce	Internal Assessment	(Final Practical Exam)	Total
	100	100	200

Note:

An examiner in practical II – Medical Surgical Nursing – I Practical with viva voce need to be M.Sc. Nursing with Medical Surgical Nursing speciality & with minimum of 3 years Collegiate / University level teaching experience.

PRACTICE COMPETENCIES

On completion of the clinical practicum, the students will be able to apply nursing process and critical thinking in delivering holistic nursing care including rehabilitation to the adult patients undergoing surgery, with shock and fluid and electrolyte imbalance and with selected medical & surgical conditions i.e., Gastrointestinal, Respiratory, Endocrine, Orthopaedic, Dermatology, ENT, Ophthalmology and geriatric clients.

The students will be competent to:

1. Utilize the nursing process in providing care to the sick adults in the hospital
 - a) Perform complete health assessment to establish a data base for providing quality patient care
 - b) Integrate the knowledge of diagnostic tests in the process of data collection
 - c) Identify nursing diagnoses and list them according to priority
 - d) Formulate nursing care plan, using problem solving approach
 - e) Apply scientific principles while giving nursing care to patients
 - f) Perform nursing procedures skilfully on patients
 - g) Establish /develop interpersonal relationship with patients and family members
 - h) Evaluate the expected outcomes and modify the plan according to the patient needs
2. Provide comfort and safety to adult patients in the hospital
3. Maintain safe environment for patients during hospitalization
4. Explain nursing actions appropriately to the patients and family members
5. Ensure patient safety while providing nursing procedures
6. Assess the educational needs of the patient and their family related to medical and surgical disorders and provide appropriate health education to patients
7. Provide pre, intra and post-operative care to patients undergoing surgery
8. Integrate knowledge of pathology, nutrition and pharmacology for patients experiencing various medical and surgical disorders
9. Integrate evidence-based information while giving nursing care to patients
10. Demonstrate the awareness of legal and ethical issues in nursing practice

Areas	Duration	Objectives	Skills	Assignments	Assessment Method
Medical and Surgical wards & OP (General Medicine, Respiratory, Gastro-enterology, Endocrine, Nephrology, Haematology, General Surgical Ward, Urinary)	320 hours	Provide nursing care to adult patients with medical disorders Counsel & educate patients & families	Nursing care of patients by applying nursing process General Skills <ul style="list-style-type: none"> • History Taking • Performing Physical Examination • Monitoring Vital Signs • Personal Hygienic Nursing procedures • Positioning and posture • Activity and Rest • Comfort measures • Nutritional need • Elimination needs • Collection of specimens • Administering Medications(Oral, IM, IV, ID, SC) • Patient Teaching and counselling Respiratory Nursing Skills <ul style="list-style-type: none"> • Oxygen administration • Steam inhalation • Nebulization • Artificial Airway management • Assist patient with use of spirometer • Operating Mechanical Ventilators • Chest Physiotherapy • Postural Drainage • Care of ICD • Assisting with Bronchoscopy • Assisting with Thoracentesis • Performing oral and endotracheal/tracheostomy suctioning GI Nursing Skills <ul style="list-style-type: none"> • Serving normal diet. • Feeding a helpless patient. • Insertion of a N.G. tube. • Administration of a tube 	Plan and give care to 3-4 assigned patients. Medical Nursing care plan- 1 Surgical Nursing care plan- 1 Medical Nursing case study/ presentation - 1 Surgical Nursing case study/ presentation - 1 Drug presentation-1 Maintain drug book.	Assess performance with rating scale Assess each skill with checklist Evaluation of clinical assignments Completion of practical record. Vivavoce OSCE

			<p>feeding.</p> <ul style="list-style-type: none"> • Nasogastric aspiration • Feeding through a Gastrostomy/Jejunostomy tube. • Administration of total parental nutrition. • Performing a test feed. • Administering Enema. • Performing a Bowel wash/Colonic lavage. • Performing colostomy, Gastrostomy, Enterostomy care. • Performing colostomy irrigation. • Performing Gastric Suctioning. • Assisting with upper Gastro intestinal Fiberoscopy. • Preparation of and assisting with Colonoscopy. • Assisting with Liver Biopsy. • Assisting with insertion of sengstaken Blakemore Tube/Balloon Tamponade. • Assisting with Abdominal Paracentesis. <p>Hematologic Nursing Skills</p> <ul style="list-style-type: none"> • Administering Blood Transfusion. • Blood Transfusion reactions and Nursing management. • Assisting with Bone Marrow aspiration and biopsy. <p>Genito-Urinary Nursing Skills</p> <ul style="list-style-type: none"> • Performing urinary catheterization • Performing catheter care. • Performing 	<p>Maintain Practical record book.</p>	
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			Bladder irrigation. <ul style="list-style-type: none"> • Preparation of patient and assisting with cystoscopy. • Assisting with intravenous pyelography. • Assisting with Renal Biopsy. Endocrine Nursing Skills <ul style="list-style-type: none"> • Administering subcutaneous injection. • Administering Bolus medications through intravenous route. • Administering rectal suppositories. 		
Skin & Communicable diseases Ward & OP	80 hours	Identify skin problems Provide nursing care to patients with skin disorders & communicable diseases Counsel & educate patients & families	Integumentary Nursing Skills <ul style="list-style-type: none"> • Performing wound dressing. • Removal of sutures and staples. • Performing wound irrigation. • Applying topical medications. • Give medicated baths • Practice medical and surgical asepsis-Standard safety measures. • Use of personal protective equipment • Counsel HIV positive patients • Teach prevention of infectious diseases. 	Plan and give care to 3-4 assigned patients. Nursing care plan- 1 Health talk/ Counselling HIV positive patients and families-1 Maintain drug book.	Assess performance with rating scale Assess each skill with checklist Evaluation of clinical assignments Completion of practical record. Viva voce OSCE
Orthopaedic Ward & OP	80 hours	Provide nursing care to patients	Orthopaedic Nursing Skills <ul style="list-style-type: none"> • Assisting with application of splints, slings skin traction and plaster of Paris. • Applying Bandage and Binder. 	Plan and give care to 3-4 assigned patients. Nursing care	Assess performance with rating scale Assess each skill with

		with musculoskeletal disorders Counsel & educate patients & families	<ul style="list-style-type: none"> • Pin site care in skeletal Traction. • Assisting with walking using walker and cane. • Assisting with crutch walking. • ROM and muscle strengthening exercises. 	<p>plan- 1</p> <p>Health talk -1</p> <p>Maintain drug book.</p>	<p>checklist</p> <p>Evaluation of clinical assignments</p> <p>Completion of practical record.</p> <p>Vivavoce</p> <p>OSCE</p>
Peri Operative Nursing	200 Hours (including 8 hours in mandatory module on BLS)	<p>Identify instruments and equipment used in common surgical procedures.</p> <p>Participate in Infection control practices in the Operation Theatre.</p> <p>Set-up the table/ trolley for common operative procedures.</p> <p>Assist in giving anaesthesia.</p> <p>Assist in the</p>	<ul style="list-style-type: none"> • Practice medical surgical asepsis-Standard safety measures • Pre-operative preparation of patients • Scrubbing, gowning, gloving • Identify instruments, suturing materials for common operations • Disinfection, Carbolization, fumigation • Preparation of instrument sets for common operations • Sterilization of sharp and other instruments • Prepare the OT table depending upon the operation • Positioning and monitoring of patients • Endotracheal intubation • Assisting in minor and major operations. • Handling specimens • Post-operative preparation, assessment, monitoring and care. • Care of wounds and drainage. • Ambulation and exercise • Disposal of waste as per the guidelines. 	<p>Assist as a circulatory nurse in:</p> <p>Major cases-10</p> <p>Minor cases-5</p> <p>Assist as a scrub nurse in:</p> <p>Major cases-10</p> <p>Minor cases-5</p> <p>Maintain drug book</p> <p>Assignment on OT Instruments</p>	<p>Assess performance with rating scale</p> <p>Evaluation of clinical assignments</p> <p>Completion of practical record.</p> <p>Vivavoce</p> <p>OSCE</p>

		various Operative procedures. Provide peri operative nursing care.			
ENT ward & OP	60 hours	Provide nursing care to patients with ENT Disorders Counsel & educate patients & families	<ul style="list-style-type: none"> • Perform examination of ear, nose & throat • Assist with diagnostic procedures • Assist with therapeutic procedures • Instillation of ear drops/medications • Perform/assist with ear irrigations • Apply ear bandage • Assist with foreign body removal • Perform tracheostomy care • Teach patients and families 	Plan and give care to 3-4 assigned patients. Nursing care plan- 1 Maintain drug book.	Assess performance with rating scale Assess each skill with checklist Evaluation of clinical assignments Completion of practical record. Vivavoce OSCE
Ophthalmology ward & OP	60 hours	Provide care to patients with eye disorders Counsel & educate patients & families	<ul style="list-style-type: none"> • Perform examination of eye • Assist with diagnostic procedures • Assist with therapeutic procedures • Perform/assist with eye irrigations • Apply eye bandage • Apply Eyedrops/ointments • Assist with foreign body removal • Teach patients and families 	Plan and give care to 3-4 assigned patients. Nursing care plan- 1 Maintain drug book.	Assess performance with rating scale Assess each skill with checklist Evaluation of clinical assignments Completion of practical record. Viva-voce OSCE
Medical ICU	40 hours	Provide care to patients	<ul style="list-style-type: none"> • Assessment of seriously ill patients • Monitor the patient's conditions with 	Plan and give care to 1 assigned	Assess performance with rating scale

		with critical medical illnesses	<p>continuous monitoring equipment</p> <ul style="list-style-type: none"> • Assist with diagnostic and therapeutic procedures • Technical skill in using various equipment 	<p>patient.</p> <p>Nursing care plan- 1</p> <p>Maintain drug book.</p>	<p>Assess each skill with checklist</p> <p>Evaluation of clinical assignments</p> <p>Completion of practical record.</p> <p>Viva-voce</p> <p>OSCE</p>
Surgical ICU	40 hours	<p>Provide comprehensive care to patients immediately and maintain after surgery</p> <p>Detect & manage complications after surgery</p>	<ul style="list-style-type: none"> • Haemodynamic monitoring of patients after surgery, monitor for bleeding and other complications, maintain Fluid & electrolyte balance after surgery • Deep breathing & coughing exercise, Chest physiotherapy, endotracheal and oral suctioning. 	<p>Plan and give care to 1 assigned patient.</p> <p>Nursing care plan- 1</p> <p>Maintain drug book.</p>	<p>Assess performance with rating scale</p> <p>Assess each skill with checklist</p> <p>Evaluation of clinical assignments</p> <p>Completion of practical record.</p> <p>Viva-voce</p> <p>OSCE</p>
Trauma and emergency & Casualty	80 hours	Provide emergency care patients with various medical emergencies	<ul style="list-style-type: none"> • Emergency assessment of patients with medical emergencies • Assist in diagnostic and therapeutic procedures • Counsel and educate patients and families 	<p>Plan and give care to patients.</p> <p>Maintain drug book.</p>	<p>Assess performance with rating scale</p> <p>Assess each skill with checklist</p> <p>Evaluation of clinical assignments</p> <p>Completion of practical record.</p> <p>Viva-voce</p> <p>OSCE</p>

RS- 1 Community Health Nursing - I

(Including MLHP Course)

Placement: Second year

Theory - 100 Hours

Practical -140 hours

Paper No	Subject	Internal Assessment	Final Exam	Total Marks
T/XII	Community Health Nursing- I	25	75	100

Scheme of examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/XII	Community Health Nursing-I	3 hours	75

Question paper pattern

Essay type question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short answer type : 10 x 2 = 20 Marks

Note:

An examiner in Paper T/ XII – Community Health Nursing – I need to be M.Sc. Nursing, Community Health Nursing specialty & with minimum of 3 years collegiate / university level teaching experience.

Course description:

This course is designed for students to develop broad perspectives of health, its determinants, about community health nursing and understanding about the principles of prevention, promotion and maintenance of health for individuals, families and community. It also helps the students to develop knowledge and understanding of communicable and non-communicable diseases and competencies required to screen, assess, diagnose, manage and refer clients appropriately in various health care settings.

COMPETENCIES

At the end of the course the student shall be able to:

1. Develop basic understanding about the concepts & dimensions of health
2. Describe the role and responsibilities of community health nursing personnel
3. Apply community health nursing process in providing family health care services
4. Conduct home visit and render community health care services
5. Identify the levels of prevention and referral chain in India
6. Conduct nutritional assessment for different age groups in the community and provide appropriate nutritional counselling
7. Investigate an epidemic of communicable disease in assigned community.
8. Relate the influence of environmental factors and sanitation on health and disease
9. Categorize common communicable diseases through their epidemiological determinants.
10. Translate nurse's role in prevention & control of non-communicable diseases.

11. Relate demographic trends in world and India.
12. Explain population control & its impact on the society and describe the approaches towards limiting family size.
13. Interpret population explosion and use of contraceptive services in India.
14. Coordinate contraceptive delivery services at health care centres.

Unit	Time (Hours)	Learning Objectives	Content	Teaching Learning Activities	Assessment Method
I	12	<ul style="list-style-type: none"> • Describe the concept & dimensions of health • Define community health nursing • Describe qualities and responsibilities of Community Health Nurse • Discuss the concepts and principles of primary health 	<p>Introduction</p> <p><u>Must Know (MK)</u></p> <ul style="list-style-type: none"> • Health: <ul style="list-style-type: none"> - Definition, concept and dimensions of health - Promotion of health - Maintenance of health • Community health nursing: Definition, principles, Qualities; roles and responsibilities of Community Health Nursing personnel • Nursing Process: <ul style="list-style-type: none"> - community health Nursing Process - Family health Nursing Process - Home visit : Concept, Principles, Process - Bag Technique • Primary health care: Concepts, elements & principles <p><u>Desirable to Know (DK)</u></p> <p>Evolution of Public health, community health & community health nursing in India.</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<p align="center"><u><i>Nice to Know (NK)</i></u> Comprehensive primary health care</p>		
II	20	Describe the determinants of health	<p>Determinants of health <u><i>Must Know (MK)</i></u></p> <ul style="list-style-type: none"> • Eugenics <p>Biological: Bacterial & viral: agents and host carriers, Arthropods and Rodents</p> <p>Environment:</p> <ul style="list-style-type: none"> • Physical: Air, light, Ventilation, Water, Housing, Sanitation; disposal of waste at home & community, Noise, • Concept of Pollution prevention; Role of nurse in prevention of pollution <p>Socio cultural</p> <ul style="list-style-type: none"> - Family structure, Customs, taboos, Marriage system - Life style: Hygiene, Physical activity, Recreation and sleep, Sexual life, Spiritual life, Self-reliance & Dietary pattern <p>Socio economic</p> <ul style="list-style-type: none"> - Education, Occupation <p>Nutrition:</p> <ul style="list-style-type: none"> ○ Nutrition assessment of individuals, families and community by using appropriate methods <p align="center"><u><i>Desirable to Know (DK)</i></u></p> <p>Physical:</p> <ul style="list-style-type: none"> • Forestation, Climate, disposal of dead bodies, Communication; infrastructure facilities 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using charts, graphs, models, films, slides & other A.V. aids. • Visit to water supply, sewage disposal, milk plants, slaughter house etc. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<p>and linkages</p> <ul style="list-style-type: none"> • Acts regulating the environment; National pollution control board <p>Socio cultural</p> <ul style="list-style-type: none"> • Status of special groups: females, children, elderly, challenged groups & sick persons <p>Socio economic</p> <ul style="list-style-type: none"> • Financial Management of Family Income, Budget, Purchasing power, Security <p>Nutrition:</p> <ul style="list-style-type: none"> • Food Borne Diseases and Food Safety: Food poisoning & food intoxication • Food hygiene: Production, Preservation, Purchase, Preparation, Consumption • Acts regulating food hygiene prevention of food adulteration act, Drugs and cosmetic act 		
III	5	Describe concept, scope, uses, methods & approaches of epidemiology	<p>Epidemiology Definition, concept, aims, approaches, scope, uses and terminology used in epidemiology Epidemiological Triad Dynamics of disease transmission; epidemiological triad Levels of prevention Epidemiological Methods: Observational studies Experimental studies <u><i>Nice to Know (NK)</i></u> Epidemicsn&Epidemiological investigation.</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using charts, graphs, models, films, slides & other A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
IV	30	Describe epidemiology & nursing management of	<p>Epidemiology and nursing management of common Communicable Diseases</p>	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type • Short notes Short answer

		<p>common communicable diseases</p>	<ul style="list-style-type: none"> • Respiratory infections <ul style="list-style-type: none"> ○ Small Pox ○ Chicken Pox ○ Measles ○ Influenza ○ Rubella ○ ARI's & Pneumonia ○ Mumps ○ Diphtheria ○ Whooping cough ○ Meningococcal meningitis ○ Tuberculosis ○ SARS • Intestinal Infections <ul style="list-style-type: none"> ○ Poliomyelitis ○ Viral hepatitis ○ Cholera ○ Diarrhoeal diseases ○ Typhoid fever ○ Food poisoning ○ Amoebiasis ○ Hook worm infection ○ Ascariasis ○ Dracunculiasis • Arthropod infections <ul style="list-style-type: none"> ○ Dengue ○ Malaria ○ Filariasis ○ Zika Virus • Zoonoses • Viral <ul style="list-style-type: none"> ○ Rabies ○ Yellow fever ○ Japanese encephalitis • Bacterial <ul style="list-style-type: none"> ○ Brucellosis Plague ○ Human salmonellosis ○ Anthrax ○ Leptospirosis • Rickettsial diseases <ul style="list-style-type: none"> ○ Scrub typhus ○ Murine typhus ○ Tick typhus ○ Q fever • Parasitic zoonoses 	<p>n</p> <ul style="list-style-type: none"> • Explain using charts, graphs, models, films, slides & other A.V. aids. • Seminar • Supervise d field practice- Health centers, clinic & homes • Group Project/Health Education 	<p>questions</p>
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			<ul style="list-style-type: none"> ○ Taeniasis ○ Hydatid disease ○ Leishmaniasis ○ Surface infection ○ Trachoma ○ Tetanus ○ Leprosy ○ STD & RTI ○ Yaws ○ HIV/AIDS <p>Immunity, immunizing agents, Cold chain, National immunization schedule</p> <p><u>Desirable to Know (DK)</u></p> <ul style="list-style-type: none"> ● Emerging/re-emerging communicable diseases 		
V	15	Describe epidemiology & nursing management of common non-communicable diseases	<p>Epidemiology and Nursing management of Non-communicable diseases</p> <ul style="list-style-type: none"> ● Malnutrition: <ul style="list-style-type: none"> ○ Under nutrition: PEM, SAM, Anaemia, Iodine Deficiency ○ Over nutrition: Obesity, Fluorosis ● Hypertension ● Stroke ● Rheumatic. Heart Disease ● Coronary Heart Disease ● Cancer ● Diabetes mellitus ● Blindness ● Accidents ● Mental illness ● Epilepsy ● Deafness ● Thyroid disorder <p><u>Desirable to Know (DK)</u></p> <ul style="list-style-type: none"> ● WHO global action plan for the prevention & control of NCDs (2013-2020) ● 2030 Agenda for 	<ul style="list-style-type: none"> ● Lecture cum Discussion ● Explain using charts, graphs, models, films, slides ● Seminar ● Supervised field practice- Health centers, clinics, & homes ● Group Project/Health Education 	<ul style="list-style-type: none"> ● Essay type ● Short notes ● Short answer questions

			NCDs through Sustainable Development Goals		
VI	5	<ul style="list-style-type: none"> Describe the concepts & scope of demography Describe methods of data collection, analysis & interpretation of demographic data. 	<p>Demography</p> <ul style="list-style-type: none"> Definition, concept and scope Demographic cycle, Population trends in world & India Sources of vital statistics Methods of collection, analysis and interpretation of demographic data Demographic rates and ratios <p><u>Desirable to Know (DK)</u></p> <ul style="list-style-type: none"> Current Demographic rates and ratios 	<ul style="list-style-type: none"> Lecture cum Discussion Community Identification survey 	<ul style="list-style-type: none"> Essay type Short notes Short Answer questions Assessment of survey report
VII	13	<ul style="list-style-type: none"> Identify the impact of population explosion in India Describe methods of population control 	<p>Population and its control</p> <ul style="list-style-type: none"> Population explosion and its impact on social, economic development of individual, society and country Population control: <ul style="list-style-type: none"> Overall development: social, economic and educational development Limiting family size: <ul style="list-style-type: none"> Promotion of small family norm Methods: <ul style="list-style-type: none"> Temporary Spacing Methods (natural, barrier, IUD, hormonal post-conceptual and miscellaneous methods) Terminal Methods: (Tubectomy, 	<ul style="list-style-type: none"> Lecture cum Discussion Population Survey Counselling for acceptance of contraception Demonstration Practice Session Supervised field practice 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions Assessment of survey report

			<p>Vasectomy)</p> <ul style="list-style-type: none"> ○ Emergency contraception • National Population Stabilization Fund/JSK (Jansankhya Sthirata Kosh) • Family planning 2020 • National Family Welfare Program • Role of a nurse in Family Welfare Program <p><u>Desirable to Know (DK)</u></p> <ul style="list-style-type: none"> • Identify and communicate suitable methods of contraception to eligible couples. 		
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Mandatory Module: Standard treatment protocols of national health programme part 1

Placement: B.SC (H) Nursing 1st year

Hour	Objectives	Content	Teaching Learning method	Method of evaluation
15	Identify standard treatment protocols of various communicable diseases.	<ul style="list-style-type: none"> • ARI & Pneumonia • Influenza • TB, DR-TB, Pregnancy with TB, Paediatric Tuberculosis • ART for HIV/AIDS • STI • Post exposure prophylaxis • Leprosy • Malaria • Filaria • Dengue • Chikunguniya • Kala-azar • JE • ARV regimen 	<ul style="list-style-type: none"> • Lecture cum discussion • Seminar • Supervised clinical practice at clinics 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • OSCE

Elective Module: Environmental health

Placement: B.SC (H) Nursing 1st year

Hour	Objectives	Content	Teaching Learning method	Method of evaluation
15	Describe role of nurse in maintaining environmental health.	<ul style="list-style-type: none"> • Principle & concept of environmental health • Ecosystem • Water: sources, supply, water quality, pollution, purification process • Soil pollution • Noise pollution • Air pollution • Housing • Effect of radiation & electronic waste on environment • Waste disposal & solid waste management • Vector control • Global environmental issues • Environmental hazards • Environmental quality 	<ul style="list-style-type: none"> • Self-instructional module • video assisted teaching 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • OSCE

		<p>assessment & monitoring; Air, water, soil, noise.</p> <ul style="list-style-type: none">• WHO Global strategy on environmental & climate change.• Role of Nurse in maintaining environmental health.		
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RS-1 COMMUNITY HEALTH NURSING -I: PRACTICAL

Placement: II YEAR

DURATION: 140 Hours (including 15 hour as mandatory module)

Community Posting Area	Duration (hours)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Rural & Urban area	140	<ul style="list-style-type: none"> • Build and maintain rapport • Identify the socio-demographic characteristics, health determinants and resources of a rural and an urban community • Perform nutritional assessment and plan diet plan for adult • Educate individuals/family on <ul style="list-style-type: none"> - Nutrition - Hygiene - Food hygiene - Healthy life style - Health promotion • Perform community health nursing procedure with use of bag technique • Perform family health assessment and render family health care services • Identify structural and functional aspects of 	<ul style="list-style-type: none"> • Communication skills (using communication and interpersonal relationship) • Observation skills • Conducting community needs assessment/survey to identify health determinants of a community • Nutrition assessment skills • Skill in teaching individual/family on: <ul style="list-style-type: none"> - Nutrition, including food hygiene and safety - Healthy life style - Health need/health problem based • Skill in community health nursing care procedures • Skill in family health assessment and provision of need-based care to all members of family 	<ul style="list-style-type: none"> • Community needs assessment/ Survey- Rural-1 Urban-1 • Nutrition assessment of an individual (adult)-1 • Individual health teaching (Adult) -1 • Use of audio-visual aids <ul style="list-style-type: none"> - Flash cards - Posters - Flannel graph - Flip charts • Demonstration of nursing care procedure with use of bag technique-1 • Family Folder-5 (Rural) • Family case study <ul style="list-style-type: none"> - Rural-2 - Urban-1 • Observation report <ul style="list-style-type: none"> - SC -PHC -CHC • Observation report <ul style="list-style-type: none"> - State pollution control Board • Water purification Plant (Large scale) • State vaccine 	<ul style="list-style-type: none"> • Evaluation of survey report • Assessment of clinical performance • Evaluation of nutrition assessment • Health talk evaluation • Evaluation of procedure demonstration • Evaluation of family case studies • Evaluation of observational reports Evaluation of observational reports

	<p>different levels of health care delivery system in India</p> <ul style="list-style-type: none"> • Observe and correlate functioning of different institutes with community health knowledge; • State pollution control Board • Water purification Plant (Large scale) • State vaccine center 	<ul style="list-style-type: none"> • Observational visits to Sub-center, PHCs, CHCs in rural and urban areas. • Educational visits to <ul style="list-style-type: none"> • State pollution control Board • Water purification Plant (Large scale) • State vaccine center 	center	
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RS-1 COMMUNICATION & EDUCATIONAL TECHNOLOGY

Placement: Second Year

Duration: Theory (60 Hours)

Practical (30 Hours)

Paper	Subject	Internal Assessment	Final Exam	Total Marks
T/XIII	Communication & Educational Technology	25	75	100

Scheme of Examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/XIII	Communication & Educational Technology	3 Hours	75

Question Paper Pattern

Essay type question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short answer type : 10 x 2 = 20 Marks

Note:

An examiner / paper setter in the subject of Paper –XIII Communication & Education Technology need to M.Sc. Nursing with specialization in any nursing subject with 3 years of collegiate/ Univ. level teaching experience.

Course Description: This course is designed to enable students to acquire an understanding of the principles and methods of communication. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and groups in clinical, community health and educational settings.

COMPETENCIES

On completion of the course, the students will be competent to

1. Develop basic understanding of theoretical foundations and principles of teaching and learning
2. Initiate self- assessment to identify one's own learning styles
3. Demonstrate understanding of various teaching styles that can be used, based on the learners' readiness and needs
4. Develop understanding of basics of curriculum planning, and organizing
5. Analyse and use different teaching methods effectively that are relevant to student population and settings
6. Make appropriate decisions in selection of teaching learning activities integrating basic principles
7. Utilize active learning strategies that enhance critical thinking, team learning and collaboration

8. Engage in team learning and collaboration through inter professional education
9. Integrate the principles of teaching and learning in selection and use of educational media/technology
10. Apply the principles of assessment in selection and use of assessment and evaluation strategies
11. Construct simple assessment tools/tests integrating cognitive, psychomotor and affective domains of learning that can measure knowledge and competence of students
12. Develop basic understanding of student guidance through mentoring and academic advising
13. Identify difficult situations, crisis and disciplinary/grievance issues experienced by students and provide appropriate counselling
14. Engage in ethical practice in educational as well as clinical settings based on values, principles and ethical standards
15. Develop basic understanding of evidence-based teaching practices
16. Analyse the current health care trends that are applicable to nursing education
17. Recognize the educational philosophies
18. Develop basic understanding of theoretical foundations and principles of teaching and learning
19. Demonstrate understanding of various teaching styles that can be used, based on the learners' readiness and needs
20. Develop understanding of basics of curriculum planning, and organizing
21. Analyse and use different teaching methods effectively that are relevant to student population and settings
22. Integrate the principles of teaching and learning in selection and use of educational media/technology
23. Apply the principles of assessment in selection and use of assessment and evaluation strategies
24. Construct simple assessment tools/tests integrating cognitive, psychomotor and affective domains of learning that can measure knowledge and competence of students

Unit no	Hours	Learning Objective	CONTENT Must know	Unit	Content
	Th				
I	3	<ul style="list-style-type: none"> Describe the communication process. Identify techniques of effective communication 	<p>Communication process</p> <ul style="list-style-type: none"> Meaning Definition Types Facilitators Barriers <p>Methods to overcome Barriers</p> <p>Desirable to know</p> <p>Techniques</p> <p><u>Nice to know</u></p> <p>Process of communication (Elements & Channels)</p>	<ul style="list-style-type: none"> Lecture cum Discussion Seminar Role plays <p>Exercises with audio/ video tapes</p>	<ul style="list-style-type: none"> Respond to critical incidents. Short answers. <p>Short notes</p>
II	3	Establish effective interpersonal relations with patients, families & co-workers.	<p>Interpersonal Relations</p> <ul style="list-style-type: none"> Definition Purposes Types Barriers <p>Methods to overcome barriers</p> <p>Process of communication (Elements & Channels)</p> <p>Desirable to know</p> <ul style="list-style-type: none"> Dynamics of IPR Phases of IPR <p><u>Nice to know</u></p> <p>Johari window</p>	<ul style="list-style-type: none"> Lecture cum Discussion Seminar Role plays Exercises with audio/ video tapes <p>Process recording</p>	<ul style="list-style-type: none"> Short notes Short answers
III	3	Develop effective human relations in context of nursing.	<p>Human Relations</p> <ul style="list-style-type: none"> Definition Understand self Social behavior Social attitude Individual and group Team work <p>Desirable to know</p> <ul style="list-style-type: none"> Group Dynamics <p><u>Nice to know</u></p> <p>Motivation</p>	<ul style="list-style-type: none"> Lecture cum Discussion Sociometry Group games <p>Psychometric exercises followed by discussion</p>	<ul style="list-style-type: none"> Respond to test based on critical incidents Shot notes <p>Short answers</p>

IV	10	Develop basic skill of counselling and guidance.	<p>Guidance & Counseling</p> <p>Guidance:</p> <ul style="list-style-type: none"> • Definition • Need • Purpose • Scope • Principles <p>Counseling:</p> <ul style="list-style-type: none"> • Definition • Need • Purpose • Scope • Principles • Steps/Counseling process • Techniques & Tools <p>Issues for counseling in nursing</p> <p>Desirable to know</p> <ul style="list-style-type: none"> • Characteristics of guidance • Approaches to guidance • Characteristics of counseling • Approaches to counseling • Role of counselor <p><u>Nice to know</u></p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Demonstration <p>Role play on counselling in different situations followed by discussion</p>	<ul style="list-style-type: none"> • Essay type • Shot notes • Short answers <p>Assess performance in role play situations</p>
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V	5	Describe the philosophy & principles of education.	<p>Principles & philosophies of Education</p> <p>Education</p> <ul style="list-style-type: none"> • Aims • Functions • Principles <p>Philosophy</p> <p>Educational philosophies (Traditional & Modern)</p> <ul style="list-style-type: none"> • Idealism • Realism • Naturalism • Pragmatism • Existentialism <p>Desirable to know</p> <ul style="list-style-type: none"> • Definition of education • Definition of philosophy <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Trends in nursing education 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar Symposium 	<ul style="list-style-type: none"> • Essay type • Shot notes <p>Short answers</p>
VI	6	Explain the teaching learning process	<p>Teaching-Learning Process</p> <p><u>Must Know</u></p> <p>Teaching</p> <ul style="list-style-type: none"> • Characteristics • Principles • Maxims <p>Learning</p> <ul style="list-style-type: none"> • Characteristics • Principles • Domains • Factors influencing <p>Curriculum</p> <ul style="list-style-type: none"> • Meaning • Principles of Curriculum Planning • Steps in Curriculum Development • Formulation of educational objectives: General & Specific • Lesson plan • Unit plan • Course plan 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar Symposium • Project on prepare lesson plan. • Practicing micro teaching <p>Exercise on writing objectives.</p>	<ul style="list-style-type: none"> • Essay type • Shot notes • Short answers <p>Assess lesson plans & teaching sessions</p>

			<p>Class room Management-Discipline</p> <ul style="list-style-type: none"> • Aims of discipline in education • Principles <p>Desirable to know</p> <ul style="list-style-type: none"> • Definition of teaching • Definition of learning • Nature of learning • Definition of curriculum • Concept of curriculum • Definition of discipline • Types of discipline • Disciplinary procedures <p>Nice to know</p> <p>Teachers role in discipline</p>		
VII	10	Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings.	<p>Methods of Teaching</p> <p><u>Must Know</u></p> <p>Types: classroom & clinical</p> <ul style="list-style-type: none"> ➤ Lecturer method ➤ Demonstration ➤ Group discussion ➤ Seminar ➤ Symposium ➤ Panel discussion ➤ Role play ➤ Project method ➤ Exhibition ➤ Programmed instruction ➤ Computer assisted learning ➤ Micro teaching ➤ Problem based learning ➤ Self-directed learning or self instructional module ➤ Problem solving as method of teaching ➤ Clinical teaching methods <ul style="list-style-type: none"> - Case method - Nursing rounds - Nursing Bedside clinics - Morning & afternoon reports - Group conference 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Symposium <p>Project on</p> <p>planning and conducting five teaching sessions using different methods & media</p>	<ul style="list-style-type: none"> • Essay type • Shot notes • Short answers <p>Assess lesson plans & teaching sessions</p>

			<p>- Nursing care conference - Individual conference -Health team _ process recording Desirable to know</p> <ul style="list-style-type: none"> • Field trip • Workshop • Simulation <p><u>Nice to know</u> Educational media In IEC & BCC</p>		
VIII	15	<ul style="list-style-type: none"> • Prepare and use different type of educational media effectively • Teach individuals, groups and communities about health with their active participation 	<p>Educational media <u>Must Know</u> AV AIDS</p> <ul style="list-style-type: none"> ➤ Concept ➤ Importance, Characteristics ➤ Sources ➤ Principles ➤ Types of teaching aids <p>Graphical teaching aids</p> <ul style="list-style-type: none"> ➤ Chalk board/ Black board ➤ Chart ➤ Poster ➤ Flash cards ➤ Flannel graph ➤ Bulletin board <p>Printed educational aids:</p> <ul style="list-style-type: none"> ➤ Pamphlets ➤ Leaflets <p>Projected audio-visual aids:</p> <ul style="list-style-type: none"> ➤ Overhead projector ➤ LCD projector <p>Guidelines for effective use of audio-visual aids Information, education and communication (IEC) & Behaviour, change, communication (BCC)</p> <ul style="list-style-type: none"> ➤ Health behaviours ➤ Health education ➤ Planning for health education ➤ Health education with individual, group and communities ➤ Communicating health messages 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Demonstration <p>Prepare different teaching aids – projected & non-projected.</p>	<ul style="list-style-type: none"> • Essay type • Shot notes • Short answers • Assess the prepared teaching aids

			<ul style="list-style-type: none"> ➤ Methods and media for communicating health message ➤ Media for communicating health message ➤ Using mass media <p>Desirable to know</p> <ul style="list-style-type: none"> ➤ Definition of AV aids ➤ Three-dimensional aids: ➤ Objects and specimens ➤ Models ➤ Puppets ➤ Exhibition ➤ Audio educational aids: ➤ Tape recorder ➤ Public address system ➤ Computer <p><u>Nice to know</u></p> <ul style="list-style-type: none"> ➤ Television ➤ Camera ➤ Microscope 		
IX	5	Prepare different types of questions for assessment of knowledge, skills and attitudes.	<p>Assessment <u>Must Know</u></p> <ul style="list-style-type: none"> • Types • Purposes <p>Evaluation</p> <ul style="list-style-type: none"> • Types • Purposes • Criteria for selection of evaluation technique <p>Classification assessment tools and techniques</p> <ul style="list-style-type: none"> ➤ Essay type questions ➤ Short answer questions ➤ Multiple choice questions ➤ Observation checklist ➤ Rating scale ➤ Likert's scale <p>Desirable to know</p> <ul style="list-style-type: none"> • Definition of assessment 	<ul style="list-style-type: none"> • Lecture cum Discussion • Seminar • Symposium • Demonstration <p>Exercise on designing different types of assessment tools.</p>	<ul style="list-style-type: none"> • Essay type • Shot notes • Short answers • Assess the strategies used in practice teaching sessions & exercise sessions.

			<ul style="list-style-type: none">• Scope of assessment• Definition of evaluation• Scope of evaluation• Item analysis• Objective structured clinical examination (OSCE)• Practical examination• Viva-voce <p><u>Nice to know</u></p> <ul style="list-style-type: none">• Attitude scale <p>Semantic differential scale</p>		
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RS-1 Communication & Educational Technology- Practical

Placement: Second Year

Practical-30 Hours

Area	Duration	Objectives	Skills	Assignments	Assessment methods
Classroom	10	Develop beginning skills in classroom teaching	<ul style="list-style-type: none">• Use different instructional methods & media• Practice different teaching skills• Follows maxims of teaching	<ul style="list-style-type: none">• Micro teaching• Peer teaching• Teaching practice• AV aid exhibition	<ul style="list-style-type: none">• Evaluation of written assignments• Evaluation of AV aid exhibition
Classroom	20	Acquire skill in Curriculum Preparation	<ul style="list-style-type: none">• Develop a curriculum for nursing degree• Formulation of educational objectives	<ul style="list-style-type: none">• Prepare Master rotation plan• Prepare clinical rotation plan• Prepare Course & unit Plan• Develop educational objectives	<ul style="list-style-type: none">• Evaluation of written assignments

Competencies

The student should be able to perform the following skills

1. Formulate Educational Objectives
2. Create Course plan
3. Formulate Lesson plan
4. Construct Unit plan
5. Prepare AV Aids
6. Educate group using AV Aids
7. Demonstrate teaching methods
8. Construct Assessment Tools

B.Sc. (Hons) NURSING III YEAR

RS-1 Medical Surgical Nursing II

Placement: Third year

Duration: Theory - 110 Hours

Practical: 470 Hours

Paper	Subject	Internal assessment	Final Exam	Total Marks
T/ XIV	Medical Surgical Nursing – II	25	75	100

Scheme of examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exams)
T/ XIV	Medical Surgical Nursing – II	3 hours	75

Question paper pattern

Essay type question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short answer type : 10 x 2 = 20 Marks

Note:

An examiner / paper setter in the subject of Paper –XIV Medical Surgical – II need to be M. Sc. Nursing with Medical Surgical Nursing specialty & with 3 years of Collegiate / University level teaching experience.

Course Description: The course is designed to enable students to acquire knowledge and proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Learning Objectives

1. Describe the role of a nurse in caring for adult patient in hospital and community.
2. Explain the concepts of Medical Surgical nursing.
3. Perform physical assessment of patients with different medical surgical conditions.
4. Discuss the common signs, symptoms, problems and their specific nursing intervention.
5. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with various medical surgical conditions.
6. Demonstrate skills in managing patients with various medical surgical conditions.
7. Interpret findings of various diagnostic measures used in medical surgical conditions.
8. Appreciate the trends in medical and surgical nursing.

Unit no	Hours	Learning Objectives	CONTENT	Teaching Learning Activity	Assessment method
I	30	<ul style="list-style-type: none"> Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with cardio vascular problems. Describe the vascular conditions and its nursing management. 	<p>Nursing management of patients with cardiovascular problems</p> <p><u>Must Know</u></p> <p>Nursing assessment- History and physical assessment</p> <p>Diagnostic measures and related nursing care</p> <p>ECG, echocardiogram, TMT, CVP, Doppler studies, plethysmography</p> <p>Cardiac catheterization, coronary angiography, cardiac enzymes.</p> <p>Vascular system</p> <ul style="list-style-type: none"> Hypertension Aneurysms Peripheral vascular disorders <ul style="list-style-type: none"> ➤ Raynaud's disease ➤ Thromboangitis Obliterans ➤ Venous insufficiency ➤ Varicose veins. <p>Heart</p> <ul style="list-style-type: none"> Atherosclerosis, Coronary Artery Diseases – <ul style="list-style-type: none"> ➤ Myocardial infarction ➤ Angina pectoris ➤ Ischemic Heart Disease Rheumatic Heart Disease 	<ul style="list-style-type: none"> Lecture cum Discussion Demonstration Practice Session Supervised clinical practice Explain using charts, graph. Models, films & slides Health Education Drug book/ Presentation Counselling 	<ul style="list-style-type: none"> Essay type question Short notes Short answer

			<ul style="list-style-type: none"> • Valvular disorders of the heart • CCF • Pulmonary Oedema • Cardiogenic shock • Cardiomyopathy • Cardiac Dysrhythmias • Cardiac arrest • Basic Life Support • Advanced Cardiac Life Support <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Nuclear imaging • Cardiac tamponade • Heart Block • Cor Pulmonale <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of Cardiovascular system. • Arteriography • Endocarditis • Pericarditis • Myocarditis 		
II	20	Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures & management of patients with neurological disorders	<p>Nursing management of patients with neurological disorders</p> <p><u>Must Know</u></p> <p>Nursing history, examination and neurological assessment.</p> <p>Assessment: physical and neurological assessment.</p> <ul style="list-style-type: none"> ➤ Diagnostic measures and related nursing care ➤ Lumbar puncture ➤ CSF analysis ➤ CT ➤ MRI ➤ magnetic resonance angiography 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book /presentation • Visit to rehabilitation center 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

			<ul style="list-style-type: none"> ➤ Cerebral ultrasound ➤ EEG ➤ EMG ➤ Disorders of Brain ➤ Tumours of brain ➤ Intracranial & cerebral aneurysms ➤ Cerebrovascular accident (CVA) ➤ TIA ➤ Head injury ➤ Increased ICP ➤ Epilepsy <p>• Neuropathies</p> <ul style="list-style-type: none"> ➤ Bell's Palsy ➤ Trigeminal Neuralgia <p>• Degenerative disease:</p> <ul style="list-style-type: none"> ➤ Dementia ➤ Parkinson's disease ➤ Myastheniagravis ➤ Guillain-Barre Syndrome ➤ Multiple sclerosis <p>• Infections</p> <ul style="list-style-type: none"> ➤ Meningitis ➤ Encephalitis ➤ Brain abscess <p>• Disorders of Spine & Spinal Cord</p> <p>• Spinal cord injury</p> <p>• Role of nurse in communicating with the patients with neurological deficit.</p> <p>• Rehabilitation of patients with neurological deficit.</p> <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> ➤ Head ache ➤ Migraine <p><u>Nice to know</u></p> <p>Anatomy and physiology of</p>	
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			<p>the neurological system.</p> <ul style="list-style-type: none"> ➤ PET Scan ➤ SPECT Scan ➤ Evoked potential ➤ Neurocysticercosis 		
III	10	Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures & management of patients with Burns, reconstructive and cosmetic surgery	<p>Nursing management of patients with burns, reconstructive and cosmetic surgery</p> <p><u>Must Know</u></p> <p>Nursing assessment: history and physical assessment and assessment of burns (TBSA, depth and severity) and fluid and electrolyte loss.</p> <p>Burns</p> <ul style="list-style-type: none"> • Types of burns. • Resuscitation and emergency management of burns • Burn wound management • Types of reconstructive and cosmetic surgery for burns, injuries. • Role of nurse in reconstructive and cosmetic surgery <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Reconstructive surgeries for cosmetic purpose <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Anatomy and physiology of skin and connective tissues • Legal aspects & Rehabilitation 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice <p>Drug book /presentation</p>	<ul style="list-style-type: none"> • Essay type question • Short notes <p>Short answer</p>
IV	15	Describe the etiology, pathophysiology, clinical manifestation,	<p>Nursing management of patients with oncological conditions</p> <p><u>Must Know</u></p> <p>Prevention, screening, early</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration 	<ul style="list-style-type: none"> • Essay type question • Short notes <p>Short</p>

		<p>diagnostic measures & management of patients with oncology</p>	<p>detection of cancer warning signs of cancer</p> <ul style="list-style-type: none"> • Oral Cancer • Cancer oesophagus • Cancer Breast • Cancer Cervix • Cancer Uterus • Cancer Lungs • Cancer of Kidney • Oncological emergencies <p>➤ Treatment modalities of cancer:</p> <p>➤ Chemotherapy</p> <p>➤ Radiotherapy & Bone marrow transplants</p> <p>Psycho social aspects of cancer</p> <p>Rehabilitation</p> <p>Palliative care; symptom & pain management, nutritional support.</p> <p>Home care</p> <p><u>Desirable to know</u></p> <p>Cancer Larynx, Cancer Ovary</p> <p>➤ Immunotherapy</p> <p>➤ Hospice care</p> <p><u>Nice to know</u></p> <p>Structure & characteristics of normal & cancer cells</p> <p>Osteosarcoma</p> <p>Stem cell therapy</p> <p>Gene therapy</p>	<ul style="list-style-type: none"> • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice <p>Drug book /presentation</p>	<p>answer</p>
V	10	<ul style="list-style-type: none"> • Describe the organization of emergency care services • Describe the role of nurse in management of common Emergencies 	<p>Nursing management of patient in emergency</p> <p><u>Must Know</u></p> <p>Emergency Nursing:</p> <p>Concept, priorities, principles & scope of emergency nursing.</p> <p>Organization of emergency services: physical set up, staffing, equipment &</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical 	<ul style="list-style-type: none"> • Essay type question • Short notes <p>Short answer</p>

			<p>supplies, Concepts of triage & role of triage nurse. Poly-Trauma, road accidents, crush injuries Bites Common Emergencies Respiratory emergencies Cardiac emergencies Neuro emergencies Shock and haemorrhage <u>Desirable to know</u> Importance of coordination & involvement of different departments & facilities protocols ATLS <u>Nice to know</u> Crisis intervention Medico legal aspects in emergency</p>	<p>practice • Drug book /presentation</p>	
VI	15(including 2 hours for mandatory module)	<ul style="list-style-type: none"> • Describe the organization of critical care units • Describe the role of nurse in management of patients in critical care units 	<p>Nursing management of patient in critical care units <u>Must Know</u> Principles of critical care nursing Organization: physical set up, policies, staffing Protocols in ICU ➤ Special equipment: ventilators, cardiac monitor, defibrillators ➤ Nursing management of critically ill patients ➤ Treatments and procedures in critical care units ➤ Communication with patient and family. Drugs used in critical care unit. <u>Desirable to know</u> Norms Hemodynamic monitoring in ICU Intensive care records <u>Nice to know</u> Transitional care, ethical and legal aspects in ICU</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book Presentation 	<ul style="list-style-type: none"> • Essay type • question • Short notes • Short answer
VII	10	Identifies the	Introduction to forensic	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type

		<p>significance of forensic nursing</p> <p>Performs the nurses' responsibilities in caring for victims of trauma, sexual abuse, poisoning, homicide and their families</p>	<p>nursing</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> ➤ Introduction to forensic nursing: definition, scope, significance and principles. ➤ Role of forensic nurse in holistic care of patients and families. ➤ Role of nurse in collection, preservation and documentation of evidence/ sample in forensics. ➤ Nurses' responsibility in caring for victims of trauma, sexual abuse, poisoning, homicide and their families <p><u>Desirable to know</u></p> <p>Trends and issues in forensic nursing</p> <p><u>Nice to know</u></p>	<ul style="list-style-type: none"> • Explain using Charts, graphs • Models, Films, Slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice 	<p>question</p> <ul style="list-style-type: none"> • Short notes • Short answer
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Hours		Objective of module	Content	Teaching Learning Activities	Method of evaluation
Th	Pr				
2	8	Describe, understand and perform the advanced cardiac life support	<ul style="list-style-type: none"> • Review of relevant anatomy and physiology of cardiovascular system • Introduction to advanced cardiac life support course • Adult advanced cardiac life support 	Lecture cum discussion, Demonstration	<ul style="list-style-type: none"> • Return demonstration • OSCE

RS-1 Medical-Surgical Nursing– II (Practical/ Clinical)

Placement: Third Year

Time: 470 Hours

(Including 8 hours for mandatory module)

Practical – P/III Medical Surgical Nursing – II Practical with Viva Voce	Internal Assessment	(Final Practical Exam)	Total
	50	50	100

Note:

An examiner in practical II – Medical Surgical Nursing – I Practical with viva voce need to be M.Sc. Nursing with Medical Surgical Nursing specialty & with minimum of 3 years Collegiate / University level teaching experience.

Practice competencies

On completion of the clinical practicum, the students will be able to apply nursing process and critical thinking in delivering holistic nursing care including rehabilitation to the adult patients with selected medical & surgical conditions i.e., cardiovascular, neurological, oncological patients.

The students will be competent to:

1. Utilize the nursing process in providing care to the sick adults in the hospital
 - i) Perform complete health assessment to establish a data base for providing quality patient care
 - j) Integrate the knowledge of diagnostic tests in the process of data collection
 - k) Identify nursing diagnoses and list them according to priority
 - l) Formulate nursing care plan, using problem solving approach
 - m) Apply scientific principles while giving nursing care to patients
 - n) Perform nursing procedures skilfully on patients
 - o) Establish /develop interpersonal relationship with patients and family members
 - p) Evaluate the expected outcomes and modify the plan according to the patient needs
2. Provide comfort and safety to adult patients in the hospital
3. Maintain safe environment for patients during hospitalization
4. Explain nursing actions appropriately to the patients and family members
5. Ensure patient safety while providing nursing procedures
6. Assess the educational needs of the patient and their family related to selected medical and surgical disorders and provide appropriate health education to patients
7. Demonstrate skill in performing BLS and ACLS
8. Demonstrate skill in performing and interpreting various diagnostic procedures viz. ECG, EEG, Echocardiography
9. Exhibit skills in using various equipment used in critical care settings.
10. Demonstrate skill in nursing management of patients with critical care illness.

Areas	Durati on in weeks	Objectives	Skills	Assignments	Assessment Method
Neurology	3	Provide care to patients with neurological disorders Counsel & educate patients & families	<ul style="list-style-type: none"> • Perform neurological examination • Use Glasgow Coma Scale • Preparation of patient and assisting with EEG,EMG, Skull and spine • X-rays • Assisting in MRI • Assisting with Lumber puncture • Assist with therapeutic procedures • Teach patients and families • Participate in rehabilitation programme 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients. • Case study/Case Presentation - 1 • HealthTeaching-1 • Maintain drug book 	<p>Assess performance with rating scale</p> <p>Assess each skill with checklist</p> <p>Evaluation of Case study and Health Teaching</p> <p>Completion of practical record.</p>
Burn Unit	1	Provide care to patients with burns Counsel & educate patients & families	<p>Assessment of the burn patient</p> <ul style="list-style-type: none"> <input type="checkbox"/> Percentage of burns <input type="checkbox"/> Degree if burns <input type="checkbox"/> Fluid and electrolyte replacement therapy <input type="checkbox"/> Assess <input type="checkbox"/> Calculate <input type="checkbox"/> Replace <input type="checkbox"/> Record intake/output <input type="checkbox"/> Percentage of burns <input type="checkbox"/> Care of Burn wound <input type="checkbox"/> Bathing <input type="checkbox"/> Dressing <input type="checkbox"/> Perform active and passive exercises <input type="checkbox"/> Practice medical and surgical asepsis <input type="checkbox"/> Counsel and Teach 	<p>Provide care to 1-2 assigned patients.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nursing Care Plan-1 	<p>Assess performance with rating scale</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assess each skill with checklist <input type="checkbox"/> Evaluation of Care plan and observation report <input type="checkbox"/> Completion of practical record

			<p>patients and families</p> <ul style="list-style-type: none"> <input type="checkbox"/> Participate in Rehabilitation programme 		
Oncology Unit	2	<p>Provide care to Patients with cancer</p> <ul style="list-style-type: none"> <input type="checkbox"/> Counsel & educate patients & families 	<p>Screen for common cancers – TNM classification</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assist with diagnostic procedures <input type="checkbox"/> Biopsies <input type="checkbox"/> Pap smear <input type="checkbox"/> Bone-marrow <ul style="list-style-type: none"> • Aspiration Breast examination <ul style="list-style-type: none"> <input type="checkbox"/> Assist with therapeutic procedures <input type="checkbox"/> Participates in various modalities of treatment <input type="checkbox"/> Chemotherapy <input type="checkbox"/> Radiotherapy <input type="checkbox"/> Pain management <input type="checkbox"/> Stomal therapy <input type="checkbox"/> Hormonal therapy <input type="checkbox"/> Immuno therapy <input type="checkbox"/> Gene therapy <input type="checkbox"/> Alternative therapy <input type="checkbox"/> Participate in palliative care <input type="checkbox"/> Counsel and Teach patients and families <input type="checkbox"/> Self Breast Examination <ul style="list-style-type: none"> <input type="checkbox"/> Warning signs <input type="checkbox"/> Participate in rehabilitation program 	<p>Provide care to 2-3 assigned patients.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nursing Care Plan-1 <input type="checkbox"/> Observation report of cancer unit 	<p>Assess performance with rating scale</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assess each skill with checklist <input type="checkbox"/> Evaluation of Care plan and observation report Completion of practical record.
Critical Care Unit	2	<p>Provide care to critically ill patients</p> <ul style="list-style-type: none"> <input type="checkbox"/> Counsel patients & families for grief & bereavement 	<p>Monitoring of patients in ICU</p> <ul style="list-style-type: none"> <input type="checkbox"/> Maintain flow sheet <input type="checkbox"/> Care of patient on ventilators <input type="checkbox"/> Perform Endotracheal suction <input type="checkbox"/> Demonstrates use of ventilators, cardiac 	<p>Provide care to the assigned patient.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nursing Care Plan-1 <input type="checkbox"/> Drug Book 	<p>Assess each skill with checklist</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assess performance with rating scale Evaluation of observation

			<p>monitors etc.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Collect specimens & interprets ABG analysis <input type="checkbox"/> Assist with arterial puncture <input type="checkbox"/> Maintain CVP line <input type="checkbox"/> Pulse oximetry <input type="checkbox"/> CPR – ACLS <input type="checkbox"/> Defibrillators <input type="checkbox"/> Pacemakers <input type="checkbox"/> Bag-mask ventilation <input type="checkbox"/> Emergency tray/ trolley – Crash cart <input type="checkbox"/> Administration of drugs <input type="checkbox"/> Infusion pump <input type="checkbox"/> Epidural <input type="checkbox"/> Intrathecal <input type="checkbox"/> Intracardiac <input type="checkbox"/> Total parenteral therapy <p>Chest physiotherapy</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform active & passive exercises <input type="checkbox"/> Counsel the patient and family in dealing with grieving & bereavement 		<p>report</p> <p>Completion of practical record</p>
Casualty/ Emergency	1	<p>Provide care to patients in emergency & disaster situation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Counsel patients & families for grief & bereavement 	<p>Practice ‘triage’</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assist with assessment, examination, investigations & their interpretations, in emergency & disaster situations <input type="checkbox"/> Assist in documentations <input type="checkbox"/> Assist in legal procedures in emergency unit <input type="checkbox"/> Participate in managing crowd <input type="checkbox"/> Counsel the patient 	<p>Observation report of emergency unit</p>	<p>Assess performance with rating scale</p> <ul style="list-style-type: none"> <input type="checkbox"/> Evaluation of observation report <input type="checkbox"/> Completion of practical record.

			and family in dealing with grieving & bereavement		
Cardiology	3	Provide nursing care to adult patients with cardiac disorders <input type="checkbox"/> Counsel & educate patients & families	Cardio Vascular Nursing Skills o Recording and Interpreting ECG. o Holter Monitoring. o Performing a Venepuncture. o Administering of an Intravenous Infusion. o Blood Transfusion. o Monitoring central venous pressure. o Preparation and assisting for cardiac catheterization and pacemaker implantation. o Performing BLS. o Performing Defibrillation and ACLS. <input type="checkbox"/> Administer cardiac and emergency drugs.	Plan and give care to 3-4 assigned patients. Case study/Case Presentation -1 Maintain drug book.	Assess performance with rating scale Assess each skill with checklist Evaluation of clinical assignments Completion of practical record. Viva-voce OSCE

RS- 1 CHILD HEALTH NURSING

Placement: Third year

Time: Theory – 90 Hrs

Practical- 415

(Including 80 hours as mandatory-80hrs)

Paper	Subject	Internal Assessment	Final Exam	Total Marks
T/XV	Child Health Nursing	25	75	100

Scheme of examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (External Exam)
T/XV	Child Health Nursing	3 hours	75

Question Paper Pattern

Essay type question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short answer type : 10 x 2 = 20 Marks

Note: An examiner / paper setter in the subject of Paper –T/XV Child Health Nursing need to be M.Sc. Nursing with Child Health/Paediatric Nursing specialty & with 3 years of collegiate or University level teaching experience.

Course Description: This course is designed for developing an understanding of the modern approach to child- care, identification, prevention and nursing management of common health problems of neonates and children.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Develop understanding of the history and modern concepts of child health and child- care
2. Explore the national child welfare services, national programs and legislation in the light of National Health Policy
3. Describe the role of preventive paediatrics and perform preventive measures towards childhood accidents
4. Identify the developmental needs of children and provide parental guidance
5. Participate in national immunization programs /Universal Immunization program (UIP)
6. Demonstrate competencies in new-born assessment, planning and implementation of care to normal and high-risk new-born including neonatal resuscitation
7. Apply the principles and strategies of Integrated management of neonatal and childhood illness (IMNCI)
8. Apply the knowledge of pathophysiology and provide nursing care to children with common childhood diseases
9. Identify and meet childhood emergencies and perform child CPR

Unit no	Hours	Learning Objective	CONTENT	Teaching Learning Activities	Assessment Methods
I	10	<ul style="list-style-type: none"> • Explain the modern concept of child care & principles of Child Health Nursing • Describe the major functions & role of the pediatric nurse in caring for a hospitalized child. • Describe the major functions & role of the paediatric nurse in caring for a hospitalized child. • Differentiate between an adult and child in terms of illness and response • Describe the principles of child health nursing. 	<p>Introduction: modern concept of child care</p> <p>Must know</p> <ul style="list-style-type: none"> • Philosophy & Modern concept of child care. • Internationally accepted rights of the child • Changing trends in hospital care, preventive, promotive and curative aspect of child health. • Principles of child health nursing, reactions of child, qualities of paediatric nurse • Methods of pain assessment in children. • FACES pain rating scale • FLACC scale • Numerical scale • The role of a child health nurse in caring for a hospitalized child <p>Desirable to know</p> <ul style="list-style-type: none"> • Child morbidity and mortality rates • Difference between an adult and child which affect response to illness. (Physiological, Psychological, Social Immunological) • Hospital environment for sick child. • Impact of hospitalization on the child and family. • Communication techniques for children. • Principles of child health nursing 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration of common pediatric procedures 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with checklist

			<p>Nice to know</p> <ul style="list-style-type: none"> • Historical development of child health • Cultural and religious considerations in child care. • Grief and bereavement • National policy and legislations in relation to child health and welfare • Principles of pre and postoperative care of infants and children. 		
II	20	<ul style="list-style-type: none"> • Describe the normal growth and development of children at different ages • Identify the needs of children at different ages & provide parental guidance • Identify the nutritional needs of children at different ages & ways of meeting needs • Appreciate the role of play for normal & sick children • Appreciate the preventive measures and strategies for children • Describe National policy, programs & legislation in relation to 	<p>The Healthy child</p> <p>Must know</p> <ul style="list-style-type: none"> • Definition and principles of growth and development. • Factors affecting growth and development. • Growth and development from birth to adolescence. • Growth and developmental theories.(Freud, Erickson, Jean Piaget Kohlberg) • The need of normal children through the stages of developmental and parental guidance. • Nutritional needs of children and infants. <ul style="list-style-type: none"> - breastfeeding - exclusive breastfeeding <p>Supplementary / artificial feeding and complementary feeding.</p> <ul style="list-style-type: none"> - Baby friendly hospital concept - Types and value of play and selection of play material 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Developmental study of infant and children • Observation study of normal & sick child • Video assisted teaching on breast feeding • Clinical practice • Elective module on adolescent health 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of developmental study reports

		<p>child health & welfare</p> <ul style="list-style-type: none"> • Describe role of nurse in preventive paediatrics 	<ul style="list-style-type: none"> - Preventive immunization, immunization programme and cold-chain <p>Desirable to know <i>Preventive paediatrics:</i></p> <ul style="list-style-type: none"> - Scope, - Aims, Concept • Accidents; causes and prevention • National programmes and agencies related to welfare services to the children: national and international. • Role of nurse in preventive paediatrics <p>Nice to know Care of under-five and Under-five Clinics/Well-baby clinics</p>		
III	12	<ul style="list-style-type: none"> • Provide care to normal and high-risk neonates • Perform neonatal resuscitation • Recognize & manage common neonatal problems 	<p>Nursing Care of Neonate</p> <p>Must know</p> <ul style="list-style-type: none"> • Assessment of new-born • Characteristics of New-born (physical, physiological, neurological) • Immediate Nursing care of a normal new born and essential new born care. • Neonatal resuscitation • Nursing management of preterm, low birth weight baby. • Kangaroo mother care <p>Desirable to know Nursing management of common neonatal disorder.</p> <ul style="list-style-type: none"> • Hyperbilirubinemia • Hypothermia, hyperthermia 	<p>Lecture Discussion</p> <p>Mandatory Module based teaching:</p> <p>FBNBC module (oral drills, videos)</p> <ul style="list-style-type: none"> • Workshop on neonatal resuscitation: NRP module • Lab Demonstration • Practice Session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with checklist. • OSCE

			<ul style="list-style-type: none"> • Metabolic disorder • Neonatal infection • Neonatal seizures • Respiratory distress syndrome • Meconium aspiration syndrome • Birth injuries <p>Minor ailment of newborn</p> <p>Nice to know</p> <ul style="list-style-type: none"> • Organization of neonatal care unit. • Identification and Nursing management of congenital malformations 		
IV	05	Apply principles and strategies of IMNCI	<p>Integrated management of neonatal & Childhood illness</p> <p>Must know</p> <ul style="list-style-type: none"> • Principles • Case management process for 0-2month, and 2months -5 years. <p>Nice to know History of IMNCI</p>	<p>Mandatory Module based teaching : IMNCI module</p> <ul style="list-style-type: none"> • Supervised Clinical practice. • Oral drill • Videos 	<ul style="list-style-type: none"> • OSCE • Short notes • Short answer question
V	35	<ul style="list-style-type: none"> • Provide nursing care in common diseases • Identify measures to prevent common childhood diseases including immunization 	<p>Nursing management in common childhood diseases</p> <p>Must know</p> <p>Respiratory system:</p> <ul style="list-style-type: none"> • Congenital disorder: Tracheoesophageal fistula, Diaphragmatic hernia <p>Others: - Acute nasopharyngitis, Bronchitis, bronchiolitis, Tonsillitis, Bronchopneumonia, asthma Croup</p> <p>Cardiovascular system: -</p> <ul style="list-style-type: none"> • Congenital heart diseases: Cyanotic and Acyanotic. <p>Others: - Rheumatic fever</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice session • Clinical practice • Mandatory module on PLS <ul style="list-style-type: none"> - Workshop on Paediatrics Life Support(basic) 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with checklist

		<p>and Rheumatic heart disease, Congestive cardiac failure.</p> <p>Digestive system: - Congenital: Cleft lip, Cleft palate, Congenital hypertrophic pyloric stenosis, Megacolon, Malabsorption syndrome, Imperforateanus Others: Gastroenteritis, Diarrhoea, Intestinal obstruction, Hepatic diseases</p> <ul style="list-style-type: none"> - Abdominal wall defect - Appendicitis - Anorectal malformation <p>Genitourinary urinary system:</p> <ul style="list-style-type: none"> • Congenital: Wilms tumour, Extrophy of bladder, Hypospadiasis, Epispadiasis <p>Others: Nephrotic syndrome, Acute glomerulo nephritis, renal failure</p> <p>Nervous system:</p> <ul style="list-style-type: none"> • Congenital: Spinabifida, Hydrocephalous. <p>Others: Meningitis, Convulsive disorders (convulsions and seizures), Encephalitis, head injury.</p> <p>Orthopaedic disorders: Club foot, Hip dislocation and Fracture</p> <p>Nursing care of infant and children with HIV/AIDS</p> <p>Disorder of eye, ear and skin: Otitis media, Congenital cataract, Conjunctivitis, Dermatitis Impetigo</p> <p>Endocrine system: Growth hormone</p>	
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			<p>insufficiency, Adrenal insufficiency, Juvenile Diabetes mellitus, Hyper and Hypo-thyroidism.</p> <p>Haematological condition</p> <ul style="list-style-type: none"> - Congenital: Haemophilia, thalassemia, DIC - Others: Anaemia, Leukaemia, Idiopathic thrombocytopenia, purpura <p>Child health</p> <p>emergencies:Poisoning, Foreign body aspiration, Hemorrhage, Burns and Drowning, Shock.</p> <p>Desirable to know</p> <ul style="list-style-type: none"> • Nutritional deficiency diseases: Malnutrition, Vitamin deficiencies • Rickets, Scurvy and Vit A deficiency. • Communicable diseases in children, their identification, nursing management in hospital in home and prevention. • Measles, Small pox, Chickenpox, Mumps, Poliomyelitis, Diphtheria, Tetanus, Pertussis, and Tuberculosis. • Atopic dermatitis • Refractive error <p>Intestinal Parasites</p> <p>Nice to know</p> <ul style="list-style-type: none"> • Genetic Disorders:Klinefelter's and Turners syndrome • Inborn error of metabolism: Phenylketonuria, galactosemia, Congenital hypothyroidism. intestinal parasites. 	
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			Reye's syndrome		
VI	8	<ul style="list-style-type: none"> • Manage the child with behavioral & social problems • Identify the social & welfare services for challenged children 	<p>Management of behavioural and social problem in children</p> <p>Must know Child Guidance clinic</p> <p>Desirable to know</p> <ul style="list-style-type: none"> • Cerebral palsy • Mental retardation • Common behavioural disorders in children and management - Enuresis and Encopresis - Nervousness - Nail biting - Thumb sucking - Temper tantrum - Stealing - Aggressiveness - Juvenile delinquency - School phobia - Learning disability • Psychiatric disorders in children and management. - Childhood schizophrenia 	<ul style="list-style-type: none"> • Lecture cum Discussion • Field visits to child guidance clinics, school for mentally & physically, socially challenged • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of field reports

Mandatory modules

Area of placement: Third year

Paediatric Nursing

Hour	Module name and number	Objective	Content	Teaching learning activities	Method of evaluation
10	MODULE-1 Neonatal Resuscitation Programme	Assess a new born baby at birth. Perform resuscitation of a new born baby. Apply current guidelines to resuscitate neonate. Provide post resuscitation care to the new born.	Assessment, routine care. Basic neonatal resuscitation Post resuscitative care	Workshop on neonatal resuscitation: NRP module	<ul style="list-style-type: none"> • OSCE • Short notes • Short answer question • Viva
10	MODULE-2 Pediatrics basic life support)PLS(Basic)	Assess a child in emergency. Apply current guidelines to provide basic life support (BLS) to manage child health emergencies.	PLS- Basic for infants, young and old children. Choking management in infant and children.	Workshop on PLS(Basic)	<ul style="list-style-type: none"> • OSCE • Short notes • Short answer question • Viva

20	MODULE-3 IMNCI	Apply principles and strategies of IMNCI to manage neonate and children.	IMNCI guidelines to manage the neonate and children of 0-2months 2months-5years.	Module based teaching: (IMNCI module) Supervised clinical practice.	<ul style="list-style-type: none"> • OSCE • Short notes • Short answer question • Viva
30	MODULE-4 FBNBC	Provide care to normal and high-risk newborn. Recognize and manage the common neonatal problems.	<ul style="list-style-type: none"> • Essential newborn care. • Nursing management of <ul style="list-style-type: none"> -LBW -Neonatal jaundice -Hypothermia -Hyperthermia -Hypoglycemia -Neonatal sepsis -Respiratory distress syndrome -Neonatal seizure 	<ul style="list-style-type: none"> • Clinical practice. • Lab demonstration. • Lecture cum discussion. 	<ul style="list-style-type: none"> • OSCE • Short notes • Short answer question • Viva
10	Elective module-1 Adolescent health	Explain the concept, needs and preventive health care of adolescence.	<ul style="list-style-type: none"> • Review of growth development • Needs and problems • Preventive and promotive health of adolescence. 	<ul style="list-style-type: none"> • Video assisted learning • 	<ul style="list-style-type: none"> • OSCE

RS- 1 CHILD HEALTH NURSING – PRACTICAL

Placement: Third Year

Time: Practical – 415 hours

Practical – P/ IV Child Health Nursing Practical with Viva Voce	Internal Assessment	Final Practical Exam	Total Marks
	50	50	100

Note: An examiner in practical P/ IV – Child Health Nursing – Practical with viva voce need to be M.Sc. Nursing with Child Health / Pediatric Nursing specialty & with 3 years of Collegiate / University level teaching experience.

Areas	Duration In weeks	objectives	Skills	Assignments	Assessment methods
Pediatric Medicine Ward	4(including 10 hours for mandatory module on IMNCI)	<ul style="list-style-type: none"> • Provide nursing care to children with various medical disorders • Counsel & educate parents 	<ul style="list-style-type: none"> • Taking pediatric history • Physical examination & assessment of children • Administer oral, I/M, & I/V. medicine/fluids • Calculation of fluid replacement • Prepare different strengths of I/V fluids • Apply restraints • Administer O₂ inhalation by different methods • Give baby bath • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers/parents <ul style="list-style-type: none"> ❖ Malnutrition ❖ Oral rehydration therapy ❖ Feeding & Weaning 	<ul style="list-style-type: none"> • Give care to 3 assigned pediatric patients. • Nursing care plan- 1 • Case study/ presentation – 1 • Health talk -1 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist OSCE/ OSPE • Evaluation of case study/ presentation & health education session • Completion of activity record.

			<ul style="list-style-type: none"> ❖ Immunization schedule ❖ Playtherapy ❖ Specific Disease conditions 		
Areas	Duration (In wks.)	Objectives	Skills	Assignments	Assessment Method
Pediatric Surgery Ward	4	<ul style="list-style-type: none"> • Recognize different pediatric surgical conditions / malformations • Provide pre & post-operative care to children with common pediatric surgical conditions / malformation • Counsel & educate parent 	<ul style="list-style-type: none"> • Calculate, prepare & administer I/V fluids • Do bowel wash • Care for ostomies: <ul style="list-style-type: none"> ❖ Colostomy Irrigation ❖ Ureterostomy ❖ Gastrostomy ❖ Enterostomy • Urinary catheterization & drainage • Feeding <ul style="list-style-type: none"> ❖ Naso-gastric ❖ Gastrostomy ❖ Jejunostomy • Care of surgical wounds <ul style="list-style-type: none"> ❖ Dressing ❖ Suture removal 	<ul style="list-style-type: none"> • Give care to 3 assigned pediatrics surgical patients. • Nursing care plan- 1 • Case study/ presentation – 1 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist OSCE/ OSPE • Evaluation of case study/ presentation • Completion of activity record.
Pediatric OPD/Immunization room	1 (Including 10 hours for mandatory module on IMNCI)	<ul style="list-style-type: none"> • Perform assessment of children: health, development & anthropometry • Perform immunization • Give health education/ 	<ul style="list-style-type: none"> • Assessment of children <ul style="list-style-type: none"> ❖ Health assessment ❖ Developmental assessment ❖ Anthropometric assessment • Immunization • Health / 	Developmental study-1	<ul style="list-style-type: none"> • Assess performance with ratingscale • Completion of activity record. • Module Evaluation

		nutritional education	Nutritional education		
NICU	2 (Including 10 hours for mandatory module on NRP and 30 hours for mandatory module on FBNBC)	<ul style="list-style-type: none"> • Provide nursing care to critically ill neonate 	<ul style="list-style-type: none"> • Care of a baby in incubator /warmer • Administer fluids with infusion pumps • Total Parenteral Nutrition • Phototherapy • Care of neonate under CPAP • Exchange transfusion • Laminar flow • KMC • Breast feeding • Feeding neonates by Katori spoon. 	<ul style="list-style-type: none"> • Nursing Care Plan-1 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of observation report • Completion of activity record.
PICU	1 (Including 10 hours for mandatory module on PLS)	<ul style="list-style-type: none"> • Provide nursing care to critically ill children 	<ul style="list-style-type: none"> • Care of a child on ventilator • Endotracheal Suction • Chest Physiotherapy • Monitoring of babies • Recording & reporting • Cardio Pulmonary resuscitation 	<ul style="list-style-type: none"> • Observation Report-1. 	<ul style="list-style-type: none"> • Evaluation of observation report • Completion of activity record

RS-1 Mental Health Nursing

Placement: Third year

Duration: 505 Hours

Theory = 90 hours

Practical = 415 hours

Paper	Subject	Internal Assessment	Final Exam	Total Marks
T/XVI	Mental Health Nursing	25	75	100

Scheme of examination (Theory/Written)

Paper	Subject	Duration of exam	Max. Marks (Final Exam)
T/XVI	Mental Health Nursing	3 hours	75

Question paper pattern

Essay type question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short answer type : 10 x 2 = 20 Marks

Note: An examiner / paper setter in the subject of Paper –T/XVI Mental Health Nursing need to be M.Sc. Nursing with Mental Health/Psychiatric Nursing specialty & with 3 years of Collegiate / University level teaching experience.

Course Description: This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and Nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Apply nursing process in providing care to patients with organic brain disorders.
2. Follow the principles and standards of mental health nursing.
3. Identify and respond to psychiatric emergencies.
4. Carry out crisis interventions during emergencies under supervision.
5. Perform admission and discharge procedures as per MHCA2017
6. Explore the roles and responsibilities of community mental health nurse in delivering community mental health services.
7. Influence the patient and family members during discharge counselling for home care and regular follow up.
8. Recognize the side effects of psychotropic drugs.
9. Perform the role and functions of mental health nurse as a team.
10. Observe and assist in conducting psychological tests, psychosocial therapies, IQ assessment and ECT.
11. Observe therapeutic impasses and resolve it.

Unit no	Hours	Learning Objective	CONTENT	Teaching Learning Activity	Assessment methods
I	8	<ul style="list-style-type: none"> • Discuss the historical development and current trends in mental health nursing • Describe the concept of normal and abnormal behaviour • Discuss the Etiological factors of mental disorders • Explain the psychopathology of mental disorders • Explain the classification of mental disorders • Discuss the personality development and defence mechanisms 	<p>Introduction <u>Must Know</u> INTRODUCTION TO MENTAL HEALTH NURSING</p> <ul style="list-style-type: none"> • Perspectives of Mental Health and Mental Health nursing/ Psychiatric nursing • Concept of normal and abnormal behaviour. • Etiology: bio-psycho-social factors • Psychopathology of mental disorders: Terminologies • Classification of mental disorder: ICD/DSM <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Evolution of mental health services, treatment and nursing practices. • Review of structure and function of brain, limbic system abnormal neurotransmission • Review of personality development, defence mechanisms <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Epidemiology & Global burden of mental illness. 	Lecture cum Discussion	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Field visit Reports

			<ul style="list-style-type: none"> • Indian classification of mental disorders 		
II	4	<ul style="list-style-type: none"> • Explain the principles & standards of mental health nursing • Discuss the scope of mental health nursing and mental health team • Discuss the roles and responsibilities of a mental health nurse • Describe the conceptual models of mental health nursing 	<p><u>Must Know</u> PRINCIPLES & CONCEPT OF MENTAL HEALTH NURSING</p> <ul style="list-style-type: none"> • Principles of mental health nursing • Standards of mental health nursing practice • Mental Health Team • Scope, Role and functions of mental health nurse in various setting and factors affecting the level of nursing practice. <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Conceptual models and the role of nurse: <ul style="list-style-type: none"> ○ Psycho-analytical models ○ Behavioural models <p><u>Nice to know</u></p> <ul style="list-style-type: none"> ○ Existential model ○ Interpersonal model 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using different A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
III	8	<ul style="list-style-type: none"> • Describe nature, purpose & process of assessment of mental health status • Review about Neurological examination and diagnostic tests • Discuss the role 	<p><u>Must Know</u> ASSESSMENT OF MENTAL HEALTH STATUS</p> <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental state examination <p><u>Desirable to know</u></p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with checklist

		<p>& responsibilities of nurse</p> <ul style="list-style-type: none"> • Neurological examination review • Investigation: Related Blood chemistry, EEG, ECG, MRI & PET • Psychological tests • Role & responsibilities of nurse <p><u>Nice to know</u></p>			
IV	4	<ul style="list-style-type: none"> • Identify therapeutic communication techniques • Describe therapeutic relationships • Describe therapeutic impasse & its intervention 	<p><u>Must Know</u> THERAPEUTIC COMMUNICATION & NURSE RELATIONSHIP</p> <ul style="list-style-type: none"> • Therapeutic and Non-Therapeutic communication Techniques • Therapeutic communication components. • Types of relationships • Nurse Patient Relationship: Goals, phases, tasks. • Therapeutic impasse & its intervention <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Overview of Communication process • Elements of nurse patient contract • Johari window <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Characteristics of therapeutic communication 	<ul style="list-style-type: none"> • Lecture cum Discussion Demonstration • Role play • Process Recording 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

V	7	<ul style="list-style-type: none"> • Explain psychopharmacology, treatment modalities & therapies used in mental disorders & role of the nurse 	<p><u>Must Know</u> TREATMENT MODALITIES USED IN MENTAL DISORDERS</p> <ul style="list-style-type: none"> • Psychopharmacology including management of Drug related emergencies. • Electro Convulsive Therapy <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • RTMS <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Deep Brain stimulation • Review of pharmacodynamics of psychotropic drugs 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice session • Clinical practice • Group Work 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
VI	7	<p>Discuss the Psycho-social therapies (individual, group psychotherapy, family therapy, CBT, milieu therapy, relaxation therapies) and role of nurse.</p>	<p><u>Must Know</u> PSYCHO SOCIAL THERAPIES</p> <ul style="list-style-type: none"> • Psychotherapy: individual-Psycho analytical therapy • Group psychotherapy and Family • CBT • Behaviour Therapy • Occupational therapy • Therapeutic community/Milieu Therapy • Relaxation therapies • Role of nurse in psychosocial therapies 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation • Clinical practice

			<p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Recreational therapy • Geriatric & Paediatric considerations in psychosocial therapies. <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Marital therapy • Complementary and alternative systems of medicine in psychiatry. • Music therapy • Play therapy • Psychodrama • Dance therapy 		
VII	5	Describe the aetiology, psychopathology, clinical manifestations, diagnostic criteria & management of patients with schizophrenia, & other psychotic disorders	<p><u>Must Know</u> SCHIZOPHRENIA, & OTHER PSYCHOTIC DISORDERS</p> <ul style="list-style-type: none"> • Classification, Etiology, psychopathology, types, clinical manifestations & Diagnostic Criteria • Medical, Nursing, Psychosocial Management • Follow up & home care & rehabilitation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Geriatric & Paediatric considerations of patient with schizophrenia 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patient management problems
VIII	5	Describe the etiology, psychopathology, clinical	<p><u>Must Know</u> MOOD/AFFECTIVE</p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Discussion • Case 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

		manifestations, diagnostic criteria & management of patients with mood disorders	<p>DISORDERS</p> <ul style="list-style-type: none"> • Mood disorders: Bipolar affective disorder, Mania, Depression & Persistent mood Disorder. • Etiology, psychopathology, clinical manifestations & Diagnostic Criteria Medical, Nursing Psychosocial Management • Follow – up, home care & rehabilitation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Geriatric & Paediatric Considerations of patient with Mood/Affective Disorders 	<p>Discussion</p> <ul style="list-style-type: none"> • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Assessment of patient management problems
IX	8	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of patients with neurotic, stress related & somatization disorders	<p><u>Must Know</u> NEUROTIC, STRESS RELATED & SOMATIFORM DISORDERS</p> <ul style="list-style-type: none"> • Stress adaptation model: stress & stressor, coping, resources & mechanism • Anxiety disorder, phobias, dissociation & conversion disorder, obsessive compulsive disorder, somatoform disorders, post-traumatic stress 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of patient management problems

			<p>disorder</p> <ul style="list-style-type: none"> • Etiology, psychopathology, clinical manifestations, & Diagnostic Criteria Medical, Nursing, Psychosocial Management • Follow up & home care & rehabilitation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Geriatric & Paediatric considerations of patient with neurotic, stress related & somatoform disorders. 		
X	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of patients with substance abuse disorders	<p><u>Must Know</u></p> <p>SUBSTANCE USE DISORDERS</p> <ul style="list-style-type: none"> • Commonly used psychotropic substance: classification, forms, routes, action, intoxication & withdrawal syndrome. • Etiology of dependence, tolerance, psychological and physical dependence, & diagnosis • Medical, (detoxification, maintenance, Rehabilitation & harm reduction) Nursing, Psychosocial Management 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<p>including substance related emergencies.</p> <ul style="list-style-type: none"> • Follow up & home care & rehabilitation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Geriatric & Paediatric considerations of patient with substance use disorders 		
XI	4	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of patients with personality, sexual & eating disorders	<p><u>Must Know</u></p> <p>Personality, Sexual, Sleep, & eating disorders</p> <ul style="list-style-type: none"> • Classification, Etiology, psychopathology characteristics & Diagnostic Criteria • Medical, Nursing, Psychosocial Management • Follow up & home care & rehabilitation 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of patient management problems
XII	6	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of childhood & adolescent disorders including mental deficiency	<p>CHILDHOOD & ADOLESCENT DISORDERS.</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Intellectual Deficiency disorder, Pervasive Developmental Disorders, Hyperkinetic disorders, Conduct Disorders, Disorders of Speech, Language & Scholastic Skills • Classification, Etiology, psychopathology characteristics, diagnostic Criteria. 	<ul style="list-style-type: none"> • Lecture cum Discussion • Case Discussion • Case Presentation Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patient management problems

			<ul style="list-style-type: none"> • Medical, Nursing, Psychosocial Management • Follow up & home care & rehabilitation 		
XIII	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of organic brain disorders	<p><u>Must Know</u></p> <p>ORGANIC MENTAL DISORDERS</p> <ul style="list-style-type: none"> • Delirium, Dementia & • Classification, Etiology, psychopathology, clinical features, Diagnosis Criteria • Medical, Nursing, Psychosocial Management Follow up & home care & rehabilitation <p><u>Desirable to know</u></p> <p>Amnestic Disorders</p> <ul style="list-style-type: none"> • Classification, etiology, psychopathology, clinical features, Diagnosis Criteria • Medical, Nursing, Psychosocial Management • Geriatric considerations of patient with organic mental disorders • Follow up & home care & rehabilitation <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Other mental disorders due to 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice session <p>Clinical practice</p>	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			brain damage and dysfunction and to physical disease.		
XIV	6	Identify psychiatry emergency & carry out crisis intervention settings & role of the nurse	<p><u>Must Know</u> PSYCHIATRIC EMERGENCIES & CRISIS INTERVENTION</p> <ul style="list-style-type: none"> • Grief: Theories of grieving process, principles, techniques of counselling • Crisis: Types, Intervention: principles, techniques & process • Type of psychiatric emergencies: Suicide & Violence. • Medical, Nursing, Psychosocial Management • Follow up & home care & rehabilitation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Geriatric & Paediatric considerations of psychiatric Emergencies & Crisis Intervention 	<ul style="list-style-type: none"> • Lecture Discussion Case Discussion 	<ul style="list-style-type: none"> • Essay type • Short notes Short answer questions
XV	4	Explain legal aspects applied in mental health	<p><u>Must Know</u> LEGAL ISSUES IN MENTAL HEALTH NURSING</p> <ul style="list-style-type: none"> • Indian mental health Acts: (Mental Health 	<ul style="list-style-type: none"> • Lecture cum Discussion • Clinical/Field practice Field visits to mental health service 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions Field visit reports

			<p>care act 2017) Act, chapters, articles & their implications etc</p> <ul style="list-style-type: none"> • Rights of mentally ill clients • Admission & discharge procedures Role & responsibilities of nurse <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Indian Lunacy Act 1912, Indian Mental Health act 1987 • NDPS Act Forensic psychiatry 	agencies	
XVI	4	<ul style="list-style-type: none"> • Describe the model of preventive psychiatry • Describes community mental health services & role of the nurse 	<p><u>Must Know</u></p> <p>Community mental health nursing</p> <ul style="list-style-type: none"> • Development of community mental health services: Institutionalization versus deinstitutionalization • Model of preventive psychiatry: Mental health services available at the primary, secondary, tertiary levels including rehabilitation & role of nurse • National Mental programmes & Mental health policy <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Mental health nursing issues for special populations: Children, 		

			<p>Adolescence, Women, Elderly, Victims of violence& Abuse, Handicapped, HIV/ AIDS etc</p> <ul style="list-style-type: none"> • National mental health agencies: Government & voluntary <p><u>Nice to know</u></p> <p>International mental health agencies: Government & voluntary</p>		
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Mandatory Module: Addiction Psychiatry

Placement: Bsc H Nursing 3rd year, Mental health Nursing

Hour	Objective of Module	Content	Teaching-learning activities	Method of evaluation
10 hrs	Describe the role of nurse in the prevention of substance use disorders in the community	<p>Must know Epidemiology of Substance Use Role of nurse in the prevention of substance use disorders in the community</p> <ul style="list-style-type: none"> - Primary prevention - Secondary prevention - Tertiary prevention <p>Brief intervention in substance use disorders</p> <p>Drug deaddiction programs in India Substance use disorders in vulnerable population.</p>	<p>Lecture cum discussion</p> <p>Case discussion</p>	<p>Essay type</p> <p>Short notes</p>

RS- 1 MENTAL HEALTH NURSING – PRACTICAL

Placement: Third year

Practical = 415 hours

Areas	Duration (in weeks)	Objectives	Skills	Assessment (12 weeks: including 10 hours laboratory module)	Assessment methods
Psychiatric OPD	2	<ul style="list-style-type: none"> Assess patients with mental health problems Observe & assist in therapies Counsel & educate patient & families 	<ul style="list-style-type: none"> History Taking Perform mental status examination (MSE) Assist in psychometric assessment Perform neurological examination Observe & assist in therapies Teach patients & family members 	<ul style="list-style-type: none"> History taking & mental status examination² Health Education -1 Observation Report of OPD 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of Observation Report Completion of activity record
Child Guidance clinic	1	<ul style="list-style-type: none"> Assessment of children with mental health problems Counsel & educate children, families & significant others 	<ul style="list-style-type: none"> History Taking Assist in psychometric assessment Observe & assist in therapies Teach family & significant others 	<ul style="list-style-type: none"> Case Work1 Observation Report of different therapies-1 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of observation report
Inpatient Ward	8* (including 10 hours for mandatory module)	<ul style="list-style-type: none"> Assess patients with mental health problems Provide nursing care to patients 	<ul style="list-style-type: none"> History Taking Perform mental status examination (MSE) Assist in psychometric assessment 	<ul style="list-style-type: none"> Give care to 2-3 patients with various mental disorders Case study-1 Care Plan-2 Clinical Presentation1 Process Recording-2 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of case

		<p>with various mental health problems</p> <ul style="list-style-type: none"> • Assist in various therapies • Counsel & educate patients, families & significant others 	<ul style="list-style-type: none"> • Record therapeutic communication • Administer medications • Assist in Electro Convulsive Therapy • Participate in all therapies • Prepare patient for Activities of Daily Living (ADL) • Conduct admission & Discharge counselling • Counsel & teach patients and families 		<p>study, care plan, clinical presentation, process recording</p> <ul style="list-style-type: none"> • Completion of activity record.
Community Psychiatry	1	<ul style="list-style-type: none"> • Identify patients with various mental health problem • Motivate patients for early treatment & follow up • Assist in follow up clinic • Counsel & educate patient, family & community 	<ul style="list-style-type: none"> • Conduct case work • Identify individuals with mental health problems • Assist in mental health camps & clinics • Counsel & Teach family members, patients & community 	<ul style="list-style-type: none"> • Case Work1 • Observation Report of field visits 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of case work & observation report • Completion of activity record.

Practical – P/ V Mental Health Nursing Practical with Viva Voce	Internal Assessment	(Final Practical Exam)	Total Marks
	50	50	100

Note:

An examiner in practical P/V – Mental Health Nursing practical with viva voce need to be M.Sc. Nursing with Mental Health / Psychiatric Nursing specialty with 3 years of Collegiate / University level teaching experience.

Competencies:

The student should be able to perform the following skills independently:

1. Apply Principles and standards of mental health Nursing in mental health settings.
2. Apply therapeutic relationships and therapeutic use of self.
3. Counsel, educate patient & families.
4. Provide therapeutic environment
5. Perform History taking, mental status examination and neurological examination.
6. Conduct process recording.
7. Administer psychotropic medications.
8. Demonstrate relaxation therapies.
9. Conduct admission & Discharge counselling.
10. Prepare patients for ECT.
11. Conduct screening and assessment of substance use and childhood mental disorders.
12. Prepare patient for Activities of Daily Living (ADL)
13. Maintain patient records.
14. Provide comprehensive nursing care to patients with various mental health problems

RS-1 Nursing Research & Statistics

Placement: Third Year

Theory = 30 +15 Hours

Practical – 100Hours

Internship Practical – 45 Hours

Paper	Subject	Internal Assessment	Final Exam	Total Marks
T/XVII	Nursing Research & Statistics	25	75	100

The questions of both the subject i.e., Nursing Research & Statistics will be on the same question paper and demarked as Section – A & Section – B and to be answered on separate answer books.

Section – A: Nursing Research

Placement: Third Year

Time: Theory – 30 Hours

Scheme of examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
XVII Section: A	Nursing Research	2 hrs	50

Question paper pattern

Essay type question: 2 x 10 = 20 Marks
Short Notes: 4 x 5 = 20 Marks
Short answer type: 5 x 2 = 10 Marks

Note:

An examiner / paper setter in the subject of Paper –XVII Nursing Research & Statistics need to be M.Sc. Nursing with specialization in any nursing subject with minimum of 3 years collegiate / university level teaching experience.

Course Description: The course is designed to enable students to develop an understanding of basic concepts of research and research process. It is further structured to conduct/ participate in need-based research studies in various settings and to utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/ group research project.

Competencies

1. Identify research priority areas
2. Formulate research questions/problem statement/hypotheses
3. Review related literature on selected research problem and prepare annotated Bibliography.
4. Develop skill in preparing different types of data collection tool
5. Describe the different types of research design
6. Analyse and interpret the data
7. Explain the different sampling techniques
8. Practice computing, descriptive statistics and correlation
9. Draw figures and types of graphs on selected data
10. Develop a research proposal
11. Plan and conduct a group/individual research project
12. Describe the different methods of communicating research findings
13. Apply evidence-based practice in patient care

Unit no	Hours	Learning Objectives	CONTENT	Teaching Learning Activities	Assessment Methods
I	4	<ul style="list-style-type: none"> • Describe the concept, research, terms, need & areas of research in nursing. • Explain the steps of research process 	<p>Research and research process</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Introduction • Research- definition, purpose • Characteristics of good research • Ethics in research • Nursing research— definition • Importance of research in nursing • Research terminology • Steps of Research process <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Need and scope of nursing research 	<ul style="list-style-type: none"> • Lecture • Discussion • Narrate steps of research process followed from examples of published studies 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer
II	3	Identify & state research problem and frame objectives	<p>Research problem/ question</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Research problem: definition • Sources of research problem /Identification of problem area • Formulation of Problem statement • Criteria of a good research problem • Research objectives: 	<ul style="list-style-type: none"> • Lecture • Discussion • Exercise on writing statement of problem and objectives 	<ul style="list-style-type: none"> • Short notes • Short answer

			definition <ul style="list-style-type: none"> • Qualities of good research objectives • Statement of objectives • Hypothesis • Assumptions • Delimitations 		
III	3	Review the related literature and prepare bibliography	Review of literature <u>Must Know</u> <ul style="list-style-type: none"> • Definition • Types • Need & significance • Sources • Process of ROL • Writing a ROL • CINAHL, COCHRANE, PUBMED, <u>Desirable to know</u> Developing conceptual and Theoretical framework Reference managers like Zotero and Mendeley	<ul style="list-style-type: none"> • Lecture Discussion • Exercise on reviewing one research report/article for a selected research problem • Prepare annotated bibliography 	<ul style="list-style-type: none"> • Short note • Short answer
IV	4	Describe the research approaches & designs	Research approaches and designs <u>Must Know</u> <ul style="list-style-type: none"> • Research approaches: Quantitative methods • Research designs: - definition, elements, types of designs in quantitative and qualitative approaches, advantages and disadvantages <u>Desirable to know</u> Qualitative methods <u>Nice to know</u> Mixed methods	<ul style="list-style-type: none"> • Lecture Discussion • Explain types of research approaches used from examples of published and unpublished research studies with rationale 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer
V	3	Explain the sampling process	Population, Sample and Sampling <u>Must Know</u> <ul style="list-style-type: none"> • Definition of population, sample • Sampling process • Types of sampling techniques. • Sampling criteria 	Lecture cum Discussion	<ul style="list-style-type: none"> • Short notes • Short answer

			<ul style="list-style-type: none"> • Sample Size calculation • Factors influencing Sampling process <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Sampling error <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Problems of Sampling 		
VI	5	Describe the methods of data collection	<p>Data collection methods and tools:</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Methods of data Collection • Advantages and disadvantages of each method • Data collection procedure • Pilot study • Commonly used tools of data collection in nursing research • Validity & Reliability of tools <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Tool construction • Data Quality assessment • Google Forms 	<ul style="list-style-type: none"> • Lecture Discussion • Practicing assignment on examples of data collection tool 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer
VII	4	Analyse, interpret summarize the research data	<p>Analysis of data:</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Compilation, • Tabulation • Classification, • Summarization, • Presentation, • Interpretation of data <p><u>Nice to Know</u></p> <ul style="list-style-type: none"> • Data Entry in Excel and SPSS 	<ul style="list-style-type: none"> • Lecture • Discussion • Preparation of sample tables 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer
VIII	4	Communicate and utilize the research findings	<p>Communication and utilization of research</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Need & significance of research communication • Methods of research communication <ul style="list-style-type: none"> ▪ Verbal report ▪ Writing Research Report ▪ Writing Scientific Article/paper • Utilization of research 	<ul style="list-style-type: none"> • Lecture Discussion • Read /presentations of a sample published research report • Writing group • Research project 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer • Assessment of group research project

			findings <u>Desirable to know</u> •Critical review of Published research <u>Nice to know</u> •Indexing and impact factors of Journals		
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Section – B: Statistics

**Placement: Third Year
Scheme of Examination**

Time: Theory – 15 Hours

Paper	Subject	Duration	Max. Marks (Final Exam)
XVII Section-B	Statistics	1hr.	25

Question paper pattern

Essay type question : 1 x 10 = 10 Marks
Short Notes : 2 x 5 = 10 Marks
Short answer type questions: 2 x 2.5 = 5 Marks

Note:

An examiner/paper setter in the subject of paper – XVII (Section: B Statistics) need to be with post graduate degree in statistics/Biostatistics with minimum of 3 years collegiate / university level teaching experience.

Unit no	Hours	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
1	15	<ul style="list-style-type: none"> • Explain the use of statistics, scales of measurement & graphical presentation of data • Describe the measures of central tendency & variability & Methods of correlation 	<p><u>Must know</u></p> <ul style="list-style-type: none"> • Introduction to statistics • Use and application of statistics in nursing research • Scales of measurement • Frequency distribution and graphical presentation of data • Descriptive statistics: Mean, Median, Mode, Standard deviation • Coefficient of correlation <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Normal probability curve • Inferential statistics: parametric & non-parametric tests • Z- test, t-test, chi-square test <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Statistical packages and its application (SPSS) • R-Software 	<ul style="list-style-type: none"> • Lecture Discussion • Practice on graphical presentation • Practice on computation of measures of central tendency, variability & correlation 	<ul style="list-style-type: none"> • Essay type question • Short notes • Short answer

B.Sc. (Hons) NURSING IV YEAR

RS-1 Obstetrics and Gynaecological Nursing including Midwifery

Placement: Fourth year

Duration: 200 hours
(Theory 120 Hrs, Lab 80)
Clinical 720 Hrs

Paper	Subject	Internal Assessment	Final Exam	Total Marks
T/XVIII	Obstetrical & Gynaecological Nursing including Midwifery	25	75	100

Scheme of Examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/XVIII	Obstetrical & Gynecological Nursing including Midwifery	3 hours	75

Question Paper Pattern

Essay type question : 3 x 10 = 30 Marks
Short Notes : 5 x 5 = 25 Marks
Short answer type : 10 x 2 = 20 Marks

Note:

An examiner / paper setter in the subject of Paper –T/XVIII Midwifery and Obstetrical Nursing need to be M.Sc. Nursing with Midwifery / Obstetrical Nursing specialty & with minimum of 3 years collegiate / university level teaching experience.

Course Description: This course is designed for students to develop knowledge and competencies on the concepts and principles of midwifery. It helps them to acquire knowledge and skills in rendering respectful maternity care to woman during normal & its deviation of antenatal, natal and postnatal periods in hospitals and community settings. It further helps to develop skills in managing normal & high-risk neonates and participate in family welfare Programme.

COMPETENCIES:

On completion of the course, the students will be able to:

1. Demonstrate professional accountability for the delivery of nursing care
2. Recognize the trends and issues in midwifery/obstetricalnursing
3. Communicate effectively with individuals, families and professional colleagues fostering mutual respect and shared decision making to enhance health outcomes in midwifery
4. Review and describe the anatomy and physiology of human reproductive system and conception
5. Demonstrate competency in providing respectful maternity care for the women during the antenatal, Intra natal and Postnatal period.
6. Conduct normal deliveries and provide essential new-born care
7. Acquire skill in initial assessment and management of high-risk pregnancy, labour and puerperium.
8. Assist in the conduction of abnormal vaginal deliveries and caesarean section.
9. Acquire skill in identifying complications and referral services in high-risk women
10. Demonstrate competency in providing care for high-risk new-born
11. Appreciates family planning methods and motivate women to adopt family planning methods

12. Recognize the importance and role of nurse in enhancing family welfare services in community midwifery
13. Describe the assessment and management of women with gynaecological disorders.
14. Demonstrate skills in performing and assisting in specific gynaecological procedures.
15. Demonstrate skills in implementing various government programs related to MNCH care.
16. Identify the role of a midwife in vital statistics and health information management

Unit no	Hours		Learning Objective	CONTENT	Teaching /Learning Activities	Assessment Methods
	Theory	Lab				
I	4		Recognize the trends & issues in midwifery & obstetrical nursing	<p>Introduction to Midwifery and Obstetrical Nursing</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Current scenario: Midwifery in India- • Education for transformative midwifery practice in India • National health programs related to RMNCH • Current trends in midwifery and gynaecology nursing • Midwife led care units (MLCU) • Essential competencies for basic midwifery practice (ICM) • Universal rights of childbearing women • Sexual and reproductive health and rights • Legal provisions in midwifery practice in India: INC/MOH&FW regulations • Ethical issues in maternal and neonatal care • MTP act, Pre Natal-Diagnostic Test (PNDT) 	<ul style="list-style-type: none"> • Lecture cum Discussion • Explain using different A.V. aids. 	<ul style="list-style-type: none"> • Short notes • Short answer questions

				<ul style="list-style-type: none"> Invasive Procedure) Act, <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> History of midwifery in India Respectful maternity and new-born care (RMNC) Birthing centres, water birth. Adoption laws Roles and responsibilities of a midwife in different <p><u>Nice to know</u></p> <ul style="list-style-type: none"> Lotus birth Govt regulation For state midwifery practice Surrogate mothers 		
II	4	4	Describe the anatomy & physiology of female reproductive system, foetus and new-born	<p>Maternal, Fetal & New-born physiology: Anatomy and physiology of human reproductive system and conception</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> Female organs of reproduction Female pelvis – bones, joints, ligaments, diameters, landmarks, variations in pelvis shape Foetal skull- bones, sutures, fontanelles, diameters, moulding Fetopelvic relationship Physiology of menstrual cycle, menstrual hygiene Fertilization, conception and 	<ul style="list-style-type: none"> Lecture cum Discussion Seminars 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions

				<p>implantation</p> <ul style="list-style-type: none"> Embryological development Placental development Placental function: blood brain barrier Fetal growth and development Fetal circulation & Fetal nutrition <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> Role of hormones <p><u>Nice to know</u></p> <ul style="list-style-type: none"> Female pelvis planes, inclination Abnormalities of placenta and cord Embryology related to congenital malformation 		
III	10	10 (Including 2 hrs for SBA module)	Describe the diagnosis & management of women during antenatal period.	<p>Assessment and management of normal pregnancy (Antenatal)</p> <p><u>Must Know</u></p> <p>Pre-Pregnancy care</p> <ul style="list-style-type: none"> Preconception care Pre-conception counselling (including awareness regarding normal births), Genetic counselling <p>Normal Pregnancy</p> <ul style="list-style-type: none"> Assess and confirm pregnancy: Diagnosis of pregnancy - Signs, differential diagnosis and confirmatory tests Maternal nutrition Physiological changes during pregnancy. - Reproductive system, Cardio-vascular system Respiratory system 	<ul style="list-style-type: none"> Lecture cum Discussion Demonstration Case discussion/ presentation Health talk Practice session Counselling session Supervised clinical practice 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions Assessment of skills with check list

				<p>Urinary system, Gastro intestinal system, Metabolic changes, Skeletal changes, Skin changes Endocrine system & psychological changes</p> <p>I Trimester</p> <ul style="list-style-type: none"> • Antenatal assessment: History taking, physical examination, breast examination laboratory investigation • Identification and management of minor discomforts of pregnancy • Antenatal care and counselling (lifestyles in pregnancy, nutrition, shared decision making, risky behaviour in pregnancy, • Danger signs during pregnancy • Recording and reporting <p>II Trimester</p> <ul style="list-style-type: none"> • Rh negative and prophylactic anti D • Second trimester tests and health education • Interpreting screening results • Health education on IFA, calcium and vitamin D supplementation, glucose tolerance test, immunization etc • Antenatal assessment: 		
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				<p>abdominal palpation, fetal assessment, auscultate fetal heart rate -Doppler and pinnard's stethoscope,</p> <ul style="list-style-type: none"> • Assessment of fetal wellbeing: DFMC, biophysical profile, non-stress test, cardio-tocography, USG, Vibro acoustic stimulation, biochemical tests. • Antenatal care • Assessment Maternal Mental Health <p>III Trimester</p> <ul style="list-style-type: none"> • Third trimester tests and screening • Antenatal assessment in late pregnancy • Antenatal education classes • Health education on exclusive breastfeeding • Danger signs of pregnancy-recognition of ruptured membranes • Ongoing risk assessment <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Planned parenthood • Socio-cultural aspects of human sexuality • Malnutrition in pregnancy • Counselling regarding sexual life during pregnancy <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Sexual development • Building partnership with women following RMC 	
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				<ul style="list-style-type: none"> protocol Fathers' engagement in maternity care Birth preparedness and complication readiness Respectful care and compassionate communication Role of ASHA Referral and collaboration, empowerment Ongoing risk Alternative birthing positions women's preferred choices, Role of / ASHA Adjustment to pregnancy Teenage pregnancy Unwed mother Single parent Sexual violence 		
IV	10	12 (including 8 hrs for SBA module)	<ul style="list-style-type: none"> Describe the physiology & stages of labour Describe the management of women during intranatal period. 	<p>Physiology management and care during labour</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> Normal labour and birth Onset of birth/labour Per vaginal examination Stages of labour Organization of labour room Triage, preparation for birth Positive birth environment Drugs used in labour <p><u>First Stage</u></p> <ul style="list-style-type: none"> Physiology of normal labour Monitoring progress of labour using Partograph Assessing and monitoring fetal wellbeing 	<ul style="list-style-type: none"> Lecture -cum- Discussion Demonstration Case discussion/presentation Simulated practice Supervised clinical practice 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions Assessment of skills with check list

				<ul style="list-style-type: none"> • Care during 1st stage of normal labour • Pain relief in labour (nonpharmacological and pharmacological) • Psychological support • Activity and positioning during first stage of labour • Nutrition during labour <p><u>Second stage</u></p> <ul style="list-style-type: none"> • Physiology (Mechanism of labour) • Signs of imminent labour • Intrapartum monitoring • Birth position of choice • Vaginal examination • Psychological support • Management of birth/Conduction of delivery Preparation and supporting physiological birthing • Essential new-born care (ENBC) • Assessment and care of the new-born immediately following birth <p><u>Third Stage</u></p> <ul style="list-style-type: none"> • Physiology - placental separation and expulsion, homeostasis • Physiological management of third stage of labour • Active management of third stage of labour • Examination of 		
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				<p>placenta, membranes and vessels</p> <ul style="list-style-type: none"> • Assess perineal, vaginal tear injuries and suture (episiotomy) • Insertion of postpartum IUCD • Immediate perineal care • Initiation of breast feeding & Skin to skin contact • Vitamin K prophylaxis • New-born resuscitation <p><u>Fourth Stage</u></p> <ul style="list-style-type: none"> • Care during labour • Observation, Critical Analysis and Management of mother and new-born • Maternal assessment, observation fundal height, uterine consistency, urine output, blood loss • Documentation and Record of birth • Breastfeeding and latching • Managing uterine cramp • Maintaining records and reports <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Respectful care and communication • Promote positive childbirth experience for women • Role of / ASHA • Non-directive coaching • Alternative/complementary therapies for 		
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				<p>natural birth</p> <ul style="list-style-type: none"> • Various childbirth practices • Evidence based practices to reduce episiotomy • Role of / ASHA • Safe environment for mother and newborn to promote bonding <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Newer modalities of labour analgesia • Lactational counselling 		
V	6	6	<ul style="list-style-type: none"> • Describe the physiology of puerperium • Describe the management of women during postnatal period. 	<p>Postpartum care/Ongoing care of women</p> <p><u>Must Know</u></p> <p>Normal puerperium-</p> <ul style="list-style-type: none"> • Physiology of puerperium • Post-natal assessment and care- • Perineal hygiene and care • Bladder and bowel function • Minor disorders of puerperium and its management • Physiology of lactation and lactation management • Postnatal counselling and psychological support • Normal postnatal baby blues and recognition of post-natal depression • Transition to parenthood • Care for the mother from 72 hours to 6 weeks after the delivery 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Health talk • Practice Session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with check list

				<ul style="list-style-type: none"> • Diet during lactation • Post-partum family planning • Follow – up of postnatal mothers. • Drugs used in the postnatal period • Records and reports <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Facility and home-based care • Cultural competence (Taboos related to postnatal diet and practices) <p><u>Nice to know</u></p>		
VI	6	8	Describe the assessment & management of normal neonate.	<p>Assessment and ongoing care of normal neonates:</p> <p><u>Must Know</u></p> <p>Normal Neonate –</p> <ul style="list-style-type: none"> • Physiological adaptation • New-born assessment and care • Screening for congenital anomalies • Care of new-born from 72 hours to 6 weeks after the delivery (Routine care of new-born) • Skin to skin contact and thermoregulation • Infection prevention (asepsis and hand washing) • Immunization • Minor disorders of new-born and its management • Breast feeding & its technique <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Recent trends in new-born management • Lactation 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with check list

				<p>suppression</p> <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Family centred care • Respectful care and communication 		
VII	20	10	Describe the identification & management of women with high-risk pregnancy.	<p>Recognition and Management of problems during Pregnancy</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Assessment of high-risk pregnancy • Adolescent pregnancy, elderly primi, grand multiparity • Drugs used in management of high-risk pregnancies <p>Problems/complications of pregnancy</p> <ul style="list-style-type: none"> • Hyper-emesis gravidarum • Hydramnios • Multiple pregnancy • Bleeding in early pregnancy: abortion, ectopic pregnancy, vesicular mole • Bleeding in late pregnancy placenta previa, abruption placenta <p>Medical conditions complicating pregnancy:</p> <ul style="list-style-type: none"> • Anaemia • PIH • GDM • Cardiac disease • Pulmonary disease • Thyrotoxicosis • Rh incompatibility • Infections in pregnancy - urinary tract infection, bacterial, viral, 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstrate using video, films, scan reports, partograph etc. Case discussion/ presentation • Health talk • Practice Session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with check list

				<p>protozoal, fungal</p> <ul style="list-style-type: none"> • STDs, HIV • Intra uterine growth restriction <ul style="list-style-type: none"> o Intra uterine fatal death • Gynaecological conditions complicating pregnancy & Mental health issues during pregnancy • Management and care of conditions as per the protocol • Policy for the referral services • Maintenance of records and reports <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • High risk approach • Rare varieties of ectopic pregnancy • caesarean scar ectopic <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Trauma in Pregnancy • Research & evidence-based approach in high-risk management 		
VIII	20	15	Describe management of abnormal labour & obstetrical emergencies.	<p>Recognition of Deviations from The Normal and Management During Labour</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Preterm labour: Prevention and management of preterm labour; (Use of antenatal corticosteroids in preterm labour) • Premature rupture of membranes • Malposition's and abnormal presentations 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Case Discussion/ presentation • Practice Session • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with check list

				<p>(breech, brow, face, shoulder)</p> <ul style="list-style-type: none"> • Contracted Pelvis, Cephalo Pelvic Disproportion (CPD) • Disorders of uterine action- Prolonged labour, Precipitate labour, Dysfunctional labour <p>Complications of third stage:</p> <ul style="list-style-type: none"> • Retained placenta, Injuries to birth canal, Postpartum haemorrhage (bimanual compression of the uterus, aortic compression, uterine balloon tamponade) <p>Obstetric emergencies-</p> <ul style="list-style-type: none"> • Ruptured uterus, Obstetrical shock, Amniotic fluid embolism, Cord prolapses, Shoulder dystocia, Uterine inversion, Vasa previa <p>Obstetric procedures-</p> <ul style="list-style-type: none"> • Forceps delivery, Vacuum delivery, Version • Induction of labour- Medical & surgical • Caesarean section: indications and preparation • Anaesthesia and analgesia in obstetrics • Episiotomy and suturing • Nursing management of women undergoing Obstetrical operations and procedures 		
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				<ul style="list-style-type: none"> • Drugs used in management of abnormal labour <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Various types of pelvis • Manual removal of the placenta • Destructive operations in obstetrics <p><u>Nice to know</u> Surgical management</p>		
IX	10	5	Describe management of postnatal complications	<p>Recognition and Management of postnatal problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Physical examination, identification of deviation from normal <p>Puerperal complications and its management</p> <ul style="list-style-type: none"> • Puerperal pyrexia and Puerperal sepsis • Urinary complications • Secondary Postpartum haemorrhage • Vulval hematoma • Breast engorgement including mastitis/breast abscess, feeding problem • Thrombophlebitis • DVT • Uterine sub involution • Vesico vaginal fistula (VVF), Recto vaginal fistula (RVF) • Drugs used in abnormal puerperium <p><u>Desirable to know</u></p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Case Discussion/ presentation • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with check list

				<ul style="list-style-type: none"> Breast milk banking and storage Postpartum blues / psychosis <p><u>Nice to know</u></p> <ul style="list-style-type: none"> Policy about referral 		
X	7	5	Identify the high-risk neonates & their nursing management.	<p>Assessment and management of High-risk new-born</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> Screening of high-risk new-born Levels of neonatal care Prematurity, Post maturity Low birth weight Kangaroo Mother care Birth asphyxia / Hypoxic encephalopathy Neonatal sepsis Hypothermia Respiratory distress Jaundice Neonatal infections High fever Convulsion Neonatal tetanus Congenital anomalies Baby of HIV positive mothers Baby of Rh-negative mothers Birth injuries SIDS (sudden infant death syndrome) prevention, Compassionate care Calculation of fluid requirements, EBM / formula feeds / tube feeding Drugs used for high-risk new-borns Maintenance of records and reports <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> Models of new-born care in India – NBCC; SNCUs Protocols of infection control 	<ul style="list-style-type: none"> Lecture cum Discussion Demonstration Practice Session Case Discussion/ presentation Supervised clinical practice 	<ul style="list-style-type: none"> Essay type Short notes Short answer questions Assessment of skills with check list

				<ul style="list-style-type: none"> • Integrated Management of Neonatal Childhood Illnesses (IMNCI) <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Home based new-born care program • Community facility integration in new-born care • Decision making about management and referral • Recent trends & guidelines • Bereavement counselling 		
XI	15	5	Describe management of gynaecological disorders	<p>Assessment and management of women with gynaecological disorders</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Gynaecological assessment - History and Physical assessment • Breast Self- Examination • Congenital abnormalities of female reproductive system • Menstrual abnormalities • Abnormal uterine bleeding • Pelvic Inflammatory disease • Infections of the reproductive tract • Endometriosis • Uterine displacement • Uterine and cervical fibroids and polyps • Tumours – uterine, cervical, ovarian, vaginal, vulval • HPV vaccination • Cysts – ovarian, vulval • Cystocele, urethrocele, rectocele • Genitor-urinary fistula • Breast disorders – 	<ul style="list-style-type: none"> • Lecture cum Discussion • Drug book • Drug presentation 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<p>infections, deformities, cysts, tumours</p> <ul style="list-style-type: none"> • Disorders of Puberty and menopause • Hormonal replacement therapy • Assessment and management of couples with infertility • Infertility – definition, causes • Counselling the infertile couple • Investigations – male and female • Artificial Reproductive technology • Surrogacy, sperm and ovum donation, cryopreservation • Drugs used in treatment of gynaecological disorders <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Role of hormones • Guidelines and counselling of menopausal • Adoption – counselling, procedures Injuries and Trauma; Sexual violence <p><u>Nice to know</u></p>		
XII	8	<ul style="list-style-type: none"> • Appreciate the importance of family welfare programme • Describe the methods of contraception & role of nurse in family welfare programme. 	<p>Family planning and family welfare program</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Vital indicators Maternal mortality ratio, Infant Mortality Rate, Neonatal Mortality Rate, Perinatal mortality rate, fertility rates • Maternal death audit • National health Mission • National programs related to maternal new-born 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice Session • Supervised clinical practice • Group project Counselling session • Field visits 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of skills with check list

				<p>child health and adolescent services</p> <p>Family welfare services</p> <ul style="list-style-type: none"> • Impact of early / frequent childbearing • Comprehensive range of family planning methods Action, effectiveness, advantages, disadvantages, myths, misconception and medical eligibility criteria (MEC) for use of various family planning methods • Emergency contraceptives • Importance of follow up and recommended timing • Unintended or mistimed pregnancy • Post abortion counselling <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Planned Parenthood • Family planning Counselling using balanced Counselling • Strategy (BCS) • Family welfare programme at state level <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Recent trends and research in contraception • Past state and national programme 	
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MANDATORY MODULE: Skilled Birth Attender (SBA)

Placement: B.Sc. Fourth year

Subject: OBG nursing

Hour		Objective	content	Teaching Learning activities	Method of evaluation
T	P				
10	30	<ul style="list-style-type: none"> To perform antenatal and postnatal assessment and provide need-based care. To screen and care of high-risk pregnancy. To assess progress of labour. To recognize and manage all 4 stages of labour in supervised clinical area. To perform new-born assessment and provide care. 	Calculation of EDD & Gestational weeks Abdominal palpation and Auscultation of fetal heart sounds Plotting and interpreting the partograph Assessment of cervical dilatation and effacement Conduction of normal delivery Essential new-born care Active management of third stage labour New-born resuscitation Management of postpartum haemorrhage Breastfeeding Kangaroo mother care PPIUCD	Lecture com discussion Demonstration Practice session Supervised clinical practice	Essay type question Short notes question Short answer questions OSCE Viva-voce

RS-1 Obstetrical & Gynaecological Nursing including Midwifery- Practical

Total Hours: 720 hours

Practical – P/VI Midwifery & Obstetrical Nursing practical with Viva Voce	Internal Assessment	Final Practical	Total
	50	50	100

Note:

An examiner in practical P/VII – Midwifery & Obstetrical Nursing including midwifery – Practical with viva voce need to be M.Sc. Nursing with Midwifery / Obstetrical Nursing specialty & with minimum of 3 years collegiate / university level teaching experience.

Competencies:

On completion of the course, the students will be able to:

1. Counsel women and their families on pre-conception care
2. Perform antenatal assessment and care of pregnant women
3. Assist specific investigations for antenatal mothers
4. Counsel mothers and their families on antenatal care and preparation for parenthood
5. Conduct childbirth education classes
6. Set up and manage a delivery unit
7. Prepare and provide respectful maternity care for mothers in labour
8. Perform per-vaginal examination for a woman in labour if indicated
9. Conduct normal delivery with essential new-born care
10. Demonstrate skills in resuscitating the new-born
11. Perform assessment and provide care for postnatal mothers and their new-born
12. Identify and refer antenatal, postnatal mothers with complications
13. Demonstrate skills in resuscitating the new-born
14. Assist and manage complications during labour
15. Assist in the conduction of abnormal vaginal deliveries and caesarean section
16. Provide care for high risk antenatal, intra-natal and postnatal mothers and their families using nursing process approach
17. Provide post abortion care and family welfare services
18. Demonstrate IUCD insertion and removal
19. Demonstrate skills in performing and assisting in specific gynaecological procedures
20. Counsel and care for couples with infertility

Clinical Area	Weeks	Objectives	Content	Assignments	Assessment Method
Antenatal OPD including infertility clinics / Reproductive medicine, / PTCT Centre and Antenatal ward	3 (Including 5hrs for module on SBA)	Assessment of pregnant women	<ul style="list-style-type: none"> History collection Calculation EDD & gestational week from LMP Physical examination Obstetric examination Pregnancy confirmation test Urine testing Blood testing for Haemoglobin Blood test for malaria Blood test for grouping and typing Kick chart /DFMC /NST / CTG / USG Antenatal counselling Preparation for childbirth Birth preparedness and complication readiness Care of mothers with complications in pregnancy 	<ul style="list-style-type: none"> *Conduct antenatal examination - 30 Health talk- 1 Case book recordings IUD insertion – 5 Counselling – 2 Simulation exercise on recording & reporting - 1 	<ul style="list-style-type: none"> Verification of findings of antenatal examination Completion of Case book recordings Completion of practical record.
Post-partum clinic, Postnatal Ward, Family welfare and post-partum	3 (Including 5hrs for module on SBA)	<ul style="list-style-type: none"> Provide nursing care to postnatal mother & baby Counsel & teach mother 	<ul style="list-style-type: none"> Postnatal history collection and physical examination Postnatal assessment Identify 	<ul style="list-style-type: none"> Give care to Postnatal mothers - 20 Health talk - 1 Case study- 1 Case Presentation -1 	<ul style="list-style-type: none"> Assessment of clinical performance with rating scale Assessment of each

clinic		& family for parenthood	postnatal complications <ul style="list-style-type: none"> • Care of postnatal mothers – normal, caesarean section • Care of normal newborn • Post abortion care • Post abortion counselling • Lactation management • Postnatal counselling • Health teaching on postnatal and new-born care • Family welfare counselling 	<ul style="list-style-type: none"> • Case book recordings 	skill with checklist <ul style="list-style-type: none"> • Completion of case book recordings • Completion of practical record.
Labour room	6 (Including 20 hrs for module on SBA)	<ul style="list-style-type: none"> • Assess woman in labour • Carry out per-vaginal examinations • Conduct normal deliveries • Perform episiotomy & suture it • Resuscitate new-borns 	Assessment of woman in labour <ul style="list-style-type: none"> • Partograph • Per vaginal examination if indicated • Obstetric examination • Care during first stage of labour • Pain management techniques • Positions in labour • Preparation for labour – articles, physical, psychological 	<ul style="list-style-type: none"> • *Conduct normal deliveries – 20 • *Prevaginal examination – 5 • *Perform & suture the episiotomies – 5 • *Resuscitate new-borns – 5 • * • *Witness abnormal deliveries – 5 • Case book recordings • Maintain drug book. 	<ul style="list-style-type: none"> • Assessment of clinical performance • Assess each skill with checklist • Evaluation of case study, presentation & health education sessions • Completion of case book recording. • Completion

			<ul style="list-style-type: none"> • Conduction of normal delivery • Essential new-born care • New-born resuscitation • Active management of third stage of labour • Monitoring and care during fourth stage of labour • Identification and management of prolonged labour, cervical dystocia, CPD, contracted pelvis • Assist in the management of abnormal deliveries – posterior position, breech deliveries, twin deliveries, vacuum extraction, forceps delivery, shoulder dystocia • Assist in cervical encerclage procedures, D&C, D&E • Management of trauma to 		n of practical record.
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			<p>the birth canal, retained placenta, post-partum haemorrhage, uterine atony</p> <ul style="list-style-type: none"> • Management of obstetric shock 		
Neonatal Intensive Care Unit	2	Provide nursing care to new-born at risk	<ul style="list-style-type: none"> • Neonatal assessment – identification of complication, congenital anomalies. • Observation of new-born • Neonatal resuscitation • Phototherapy and management of jaundice in new-born • Assist in Exchange transfusion • Care of baby in incubator, ventilator, warmer. • Infection control in the nursery • Neonatal medications • Neonatal feeding– spoon and katori, paladai, NG tube 	<ul style="list-style-type: none"> • Case Study- 1 • Observation study - 1 	<ul style="list-style-type: none"> • Assessment of clinical performance • Assessment of each skill with checklist • Evaluation of case study & observation study • Completion of case book recording. • Completion of practical record.

			<ul style="list-style-type: none"> Starting IV line for newborn, drug calculation Assist in advanced neonatal procedures 		
Obstetric / Gynae operation theatre	1	Assist with Caesarean Sections, MTP & other surgical procedures	<ul style="list-style-type: none"> Observe / Assist in caesarean section Management of retained placenta Gynaecological surgeries Hysterectomy Uterine rupture 	<ul style="list-style-type: none"> *Assist with Caesarean Sections – 2 <ul style="list-style-type: none"> Assist with MTP & other surgical procedures – 1 Case book recordings * 	<ul style="list-style-type: none"> Assessment of each skill with checklist Evaluation of observation study Completion of case book recording. Completion of practical record.
Gynaecology ward	2	<ul style="list-style-type: none"> Provide care to patients with gynaecological disorders Counsel & educate patients & families 	<ul style="list-style-type: none"> Care of women with gynaecological conditions Vaginal douche application Health education 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients. Nursing Care Plan-1 Maintain drug book. Breast self-examination 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of Care plan Completion of practical record.
CHC, PHC, SC / Community midwifery	1	Provide home based antenatal, postnatal & newborn care Counsel for &	<ul style="list-style-type: none"> Conduction of antenatal and postnatal clinics Conduction 	<ul style="list-style-type: none"> Conduct antenatal examination -1 Health talk- 1 Give care to 	<ul style="list-style-type: none"> Assess performance with rating scale

		provide family welfare services	<p>of other special clinics and camps – Tubectomy, vasectomy</p> <ul style="list-style-type: none"> • Tracking every pregnancy – RCH number • Maintaining vital statistics • Care of antenatal and postnatal mother at home • New-born care at home • Identification of complication and referral • Follow up of mothers and new-borns • Micro birth planning • Conduction of family welfare clinics • Distribution of contraceptives • Community health education 	<p>Postnatal mothers – 2</p> <ul style="list-style-type: none"> • Health talk - 1 • Perform newborn assessment -1 • Health education -2 • Family welfare service health education -2 	<ul style="list-style-type: none"> • Assess each skill with checklist • Completion of practical record.
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RS-1 Community Health Nursing II

(Including MLHP Course)

Placement: Fourth year

Duration: Theory = 110hrs

Practical hours=375 hrs.

Paper	Subject	Internal Assessment	Final Exam	Total Marks
T/XIX	Community Health Nursing-II	25	75	100

Scheme of Examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/XIX	Community Health Nursing-II	3 hours	75

Question Paper Pattern

Essay type question: 3 x 10 = 30 Marks
Short Notes: 5 x 5 = 25 Marks
Short answer type: 10 x 2 = 20 Marks

Note:

An examiner / paper setter in the subject of Paper –T/XIX Community Health Nursing - II need to be M.Sc. Nursing with Community Health Nursing specialty & with 3 years of Collegiate or Univ. level teaching experience.

Course Description: This course is designed for students to practice community health nursing for the individual, family & groups at both urban and rural settings by using concepts and principles of health and community health nursing.

Competencies

At the end of the course the student will be able to:

- Discuss the evolution of community health and community health nursing.
- Develop basic understanding about the health care planning and the present health care delivery system in India at various levels.
- Identify the significance of primary health care and comprehensive primary health care as part of current health care delivery system focus.
- Identify the roles and responsibilities of health team members and explain their job description.
- Describe the roles and responsibilities of Mid-Level Health Care Providers (MHCPs) in Health Wellness Centres (HWCs).
- Describe occupational health hazards, occupational diseases and the role of nurses in occupational health programmes.
- Describe the roles and responsibilities of community health nursing personnel in various level.

- Discuss and participate in National health and family welfare programmes.
- Applies principles of community health nursing and nursing process in community health nursing practice.
- Assess, diagnose, manage and refer clients with various communicable and non- communicable diseases appropriately to different levels.
- Provide maternal, new born, child care and reproductive health including adolescent care in the urban and rural health care settings.
- Demonstrate beginning practice competencies/skills relevant to provide comprehensive primary health care/community-based care to clients with common diseases and disorders including emergency and first aid care at home/clinics/centres as per predetermined protocols/drug standing orders approved by MOH&FW.
- Identify health problems of focus group members and provide primary care, counselling and supportive health services.
- Demonstrate initiative in preparing themselves and the community for disaster preparedness and management.
- Provide health education and counselling to individuals and families applying the principles and techniques of behaviour change communication appropriate to community settings.

Unit No	Hours	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	5	Define concept, scope, principles & historical development of community health & community health nursing.	<p>Introduction</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Community health nursing approaches • Epidemiological approach • Problem solving approach • Evidence based approach <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Historical development of <ul style="list-style-type: none"> ○ Community Health ○ Community Health Nursing -Pre-independence 	Lecture cum Discussion	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions

			<p>-Post-independence</p> <p><u>Nice to know</u></p> <ul style="list-style-type: none"> • Nursing theories in Community health 		
II	8	<p>Describe health plans, policies, various health committees & health problems in India.</p>	<p>Health Planning and Policies and problems</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • National health planning in India- NITI AAYOG • Various committees and commissions on health and family welfare • National health policy (2017) • National population policy • Health problems in India • Ayushman Bharat • Universal health coverage <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • National health policies (1983, 2002) • National health planning in India Five Year Plans 	<ul style="list-style-type: none"> • Lecture cum Discussion • Panel Discussion 	<ul style="list-style-type: none"> • Essay type • Short note • Short Answers questions
III	12	<ul style="list-style-type: none"> • Describe the system of delivery of community health services in rural & urban areas • List the functions of 	<p>Delivery of community health services</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Centre • State • District • Others- Defence, 	<ul style="list-style-type: none"> • Lecture cum Discussion • Visits to various health delivery systems • Supervised field practice • Panel discussion 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions

		<p>various levels & their staffing pattern</p> <ul style="list-style-type: none"> • Explain the components of health services • Describe alternative systems of health promotion & health maintenance • Describe the chain of referral system • Describe various health schemes in India 	<p>Railways etc.</p> <ul style="list-style-type: none"> • Rural: Organization, staffing and functions of rural health services provided by government at: <ul style="list-style-type: none"> ○ Village ○ Sub centre ○ Primary health Centre ○ Community health centre/ sub divisional Hospitals • Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> ○ Slums ○ Dispensaries ○ Maternal and child health centers ○ Special clinics ○ Hospitals ○ Corporation/ Municipality/ Board • Systems of medicine and health care <ul style="list-style-type: none"> ○ Allopathy • Referral system • Health insurance schemes; ESI, CGHS, other recent health insurance schemes <p><u>Desirable to know</u></p> <ul style="list-style-type: none"> • Planning, budgeting and material management of 		
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			<ul style="list-style-type: none"> ○ SC/HWC (financial management and accounting and computing at SC - activities which funds are received, accounting and book keeping requirements- accounting principles and policies, book of accounts to be maintained, basic accounting entries, accounting process, payments and expenditure, fixed assets, SOE reporting format, utilization certificate reporting) ● Systems of Medicine and health care ○ Indian system of Medicine and homeopathy ○ Alternative health care system like yoga, meditation, social and spiritual healing etc. <p><u>Nice to know</u></p> <ul style="list-style-type: none"> ● Planning, budgeting and material management of <ul style="list-style-type: none"> ○ PHC ○ CHC 		
IV	20	<ul style="list-style-type: none"> ● Describe Community Health Nursing approaches & concepts 	Community Health Services; Roles and responsibilities of	<ul style="list-style-type: none"> ● Lecture cum Discussion ● Demonstration ● Practice session ● Supervised 	<ul style="list-style-type: none"> ● Essay type ● Short note ● Short answers questions

		<ul style="list-style-type: none"> • Describe the roles & responsibilities of Community Health Nursing personnel. 	<p>Community health nursing personnel</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Community Health Services <ul style="list-style-type: none"> ○ Family health care and family welfare services ○ Maternal and child health and family welfare; antenatal, natal, postnatal, MTP act, female foeticide act, child adoption act, organization of labour room ○ Information Education Communication (IEC/BCC) ○ Health Management Information system (HMIS)- Introduction, data elements, recording and reporting formats, data quality issues; vital statistics and its sources ○ Maintenance of records & reports (importance, legal implications, purposes, uses of records, principles of record writing, filing of 	<p>field practice</p> <ul style="list-style-type: none"> • Participation in camps • Group Project 	
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			<p>records, types of records; Reports- purposes, types, documentation of activities; Medical records department - functions, filing and retention; Electronic medical records- capabilities and components, electronic health record - EHR, advantages and disadvantages)</p> <ul style="list-style-type: none"> ○ Environmental sanitation ○ Treatment of minor ailments based on standing orders ○ School health services ○ Occupational health and hazards ○ Job description of community health nursing personnel (DPHN, health visitor, PHN, MPHW (Male and female), ASHA and AWW, roles and responsibilities of mid- Level Health Care Providers 	
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			<p>(MLHPs), Village Health Sanitation and Nutrition Committees (VHSNC)</p> <ul style="list-style-type: none"> • Role of community health nurse in <ul style="list-style-type: none"> ○ Leadership, training and supervision of various categories of health workers ○ Health team management ○ Organization of clinics, camps; types, preparation, planning conduct and evaluation ○ Waste management in the center clinics, home and community (rural and urban) 		
V	13	Describe & appreciate the activities of community health nurse in assisting individuals & groups to promote & maintain their health	<p>Assisting individuals and groups to promote and maintain their health</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Empowerment for self-care of individuals, families and groups in – <p>A. Assessment of individual and family</p> <ul style="list-style-type: none"> ○ Monitoring growth and development of 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Practice session • Supervised field practice • Individual/group/ family/ community health education 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions

			<p>children, temperature and blood pressure monitoring, menstrual cycle, breast self- examination and testicles, warning signs of various diseases</p> <ul style="list-style-type: none"> ○ Tests: Urine for sugar and albumin, blood sugar <p>B. Seek health services for</p> <ul style="list-style-type: none"> ○ Routine checkup, immunization, counseling, diagnosis treatment, follow up <p>C. Health assessment of</p> <ul style="list-style-type: none"> ○ antenatal, postnatal, infant, toddler, preschooler, schooler, adult and elderly. <p>D. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> ○ Women Empowerment ○ Women and child abuse ○ Abuse of elders ○ Female foeticide ○ Commercial sex workers ○ Food adulteration ○ Substance abuse 	
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			<p>E. Utilize community resources for self and family</p> <ul style="list-style-type: none"> ○ Trauma services ○ Old age homes, organization of geriatric health services ○ Orphanage ○ Homes for physically and mentally challenged individuals ○ Home for destitute ○ Palliative care ○ Hospice centre <p>F. Various Government schemes for the aged, widows, physically and mentally challenged</p>		
VI	40 (including mandatory module 1)	<ul style="list-style-type: none"> • Describe national health & family welfare programmes & role of a nurse • Describe the various health schemes in India 	<p>National health and family welfare programmes and the role of a nurse</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Communicable disease control programme <ol style="list-style-type: none"> 1) National ARI programme 2) National tuberculosis elimination programme (NTEP) 3) National vector borne disease control programme (malaria, filaria, 	<ul style="list-style-type: none"> • Lecture cum Discussion • Participation in national health programmes • Field visits • Mandatory module on NPPHC- 2 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions

			<p>kalazar, Japanese encephalitis, dengue, chikungunya)</p> <p>4) National leprosy eradication programme</p> <p>5) National AIDS control programme; STD control programme</p> <p>• Non-communicable disease control programme</p> <p>1) National programme for control of blindness and visual impairment</p> <p>2) National programme for prevention and control of diabetes, cardiovascular disease and stroke; National cancer control programme</p> <p>3) National mental health programme</p> <p>4) National programme for palliative care</p> <p>• National nutritional programmes</p> <p>1) ICDS programme</p> <p>2) Other nutritional programmes- Vitamin A prophylaxis programme,</p>	
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			<p>Prophylaxis against nutritional anemia, Iodine deficiency disorder control programme, Mid-day meal programme, Mid-day meal scheme</p> <ul style="list-style-type: none"> • Mother and Child health programmes <ol style="list-style-type: none"> 1) RMNCH+A 2) RKSK • Other health programmes <ol style="list-style-type: none"> 1) NHM: NRHM, NUHM 2) Sustainable development goals 3) Expanded programme on immunization; pulse polio programme 4) Integrated disease surveillance programme 5) National water supply and sanitation programme 6) National programme for control and treatment of occupational diseases 7) National programme for the prevention and control of deafness 		
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			<p>6) National programme for health care of elderly.</p> <p><u>Desirable to know</u></p> <p>• Communicable disease control programme</p> <p>1) National guinea worm eradication programme</p> <p>2) Yaws eradication programme</p> <p>• Non-communicable disease control programme</p> <p>1) National oral health programme</p> <p>• Other nutritional programmes-</p> <p>1) Special nutrition programme,</p> <p>2) Balwadi nutrition programme</p> <p>3) National programme for prevention and control of fluorosis</p> <p>• Mother and Child health programmes</p> <p>National family welfare programme – RCH programme historical development, organization, administration, research, constraints; RCH I and II</p> <p>• Other health</p>		
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			<p>programmes</p> <ol style="list-style-type: none"> 1) Minimum needs programme 2) 20-point programme 3) Millennium development goals 4) Community development programme 		
VII	7	Discuss Disaster Management and describe the role of nurse in disaster management	<p>Disaster Management</p> <p><u>Must Know</u></p> <ul style="list-style-type: none"> • Disaster-definition, types and magnitude • Disaster Management continuum – disaster mitigation, disaster preparedness, disaster response, and rehabilitation • Disaster- impact on health and post disaster management • Basic disaster supplies kit • Personal protection in different type of emergencies • Man-made disasters • Role of Community health nurse in disaster management 	<ul style="list-style-type: none"> • Lecture cum Discussion • Field visits 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions
VIII	5	Explain the roles and functions of	<p>Health Agencies</p> <p><u>Must Know</u></p>	<ul style="list-style-type: none"> • Lecture cum Discussion • Field visits 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions

		<p>various national and international health agencies</p>	<ul style="list-style-type: none"> • International: WHO, UNDP, World Bank, FAO, UNICEF, JHPEIGO, SIDA, Red cross, UNESCO, ILO, CARE etc. • National – Indian Red cross, Indian council for child welfare, Family planning Association of India (FPAI), Tuberculosis Association of India, Central Social Welfare Board, All India women’s conference, Blind Association of India <p><u>Desirable to Know</u></p> <ul style="list-style-type: none"> • International: USAID, UNFPA, European Commission (EC) 		
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➤ **Mandatory module 1:** Standard treatment protocols used in national health programme part 2

Hour		Objective of module	Content	Teaching learning activities	Evaluation
Th	Pr				
10 hr		Identify standard treatment protocols used in various national health programmes	<ul style="list-style-type: none"> • RBSK • HBNC • Home based young child care • Facility based new born care • NPCDCS • Vitamin A prophylaxis programme • Prophylaxis against nutritional anemia • Iodine deficiency disorder control programme • NRC: Management of child with SAM • Expanded programme on immunization; pulse polio programme 	<ul style="list-style-type: none"> • Lecture cum Discussion • Field visits 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions

10		Describe disaster management in different types of disasters	<p>Disaster Management <u>Must Know</u></p> <ul style="list-style-type: none"> • Disaster-definition, types and magnitude • Disaster management: Cyclone, Landslide, flood, Earthquakes, Drought • Institutional bodies- National, State and district level 	<ul style="list-style-type: none"> • Lecture cum Discussion • Video assisted learning • Self-directed learning 	<ul style="list-style-type: none"> • Essay type • Short note • Short answers questions
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RS-1 Community Health Nursing II – Practical

(Including MLHP Course)

Placement: Fourth Year

Time: Practical – 375Hours

Practical – P/VII Community Health Nursing Practical with Viva Voce	Internal Assessment	Final Practical	Total
	50	50	100

Note:

An examiner in practical P/VII – Community Health Nursing – Practical with viva voce need to be M.Sc. Nursing with Community Health Nursing specialty & minimum of 3 years collegiate / university level teaching experience.

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Method
Community	2week for urban 5weeks for rural	<ul style="list-style-type: none"> • Identify community profile • Identify prevalent communicable and noncommunicable diseases • Diagnose health needs of Individual, families &community • Plan, provide &evaluate care • Organize and conducts school health programme • Organize and conduct health 	<ul style="list-style-type: none"> • Community health Survey • Community diagnosis • Family care: Home adaptation of common procedures • Perform investigations- <ul style="list-style-type: none"> ○ Smear for malaria, Rapid diagnostic tests- malaria, syphilis, HIV, UPT etc. ○ Blood for glucose, hemoglobin ○ Urine for albumin, sugar • Home visit: Bag Technique • Organize and conduct clinics- antenatal, postnatal, well baby clinic, camps etc. • Nutrition 	<ul style="list-style-type: none"> • Report of <ul style="list-style-type: none"> ○ Community survey ○ Health camp ○ School health programme ○ Observational visits • Family care study – 1 • Family care plan – 1 • Project - 1 • Health talk-1 • Mass awareness-1 • Case book Recordings • Report of field visits to <ul style="list-style-type: none"> ○ Programme headquarters ○ District hospital 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Evaluation of community survey, report of health camp, school health programme, family care study, family care plan, project & health talk • Completion of survey formats • Completion of case book recordings

		<p>camps/clinics</p> <ul style="list-style-type: none"> • Organize group for self-help and involve clients in their own health activities • Provide family welfare services • Counsel and educate individual, family & community • Collect Vital health statistics • Maintain Records & reports 	<p>assessment</p> <ul style="list-style-type: none"> • Screen manage and referrals for: <ul style="list-style-type: none"> o High risk mothers and neonates o Accidents and Emergencies o Illnesses: physical and mental o Disabilities • Conduct delivery at center/home, episiotomy and suturing • Resuscitate newborn • Organize and conduct school Health programme <ul style="list-style-type: none"> • screen, manage, refer children • Collaborate with health& allied agencies • Train & supervise health workers • Provide family welfare services: insertion of IUD, assist in tubectomy, vasectomy, counsel couples for adopting family planning measures • Counsel & teach individual, family &community about: HIV, TB, Diabetes, hypertension, Mental Health, adolescents health, elderly's health, physically & mentally challenged individuals etc. • Document & 		
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			maintain Individual, family (family folder) & administrative records		
			<ul style="list-style-type: none"> • Write reports of centre, disease, national health programme/projects 		

Mid-Level Health care Provider (MLHP) Course **Placement: Fourth Year**

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Method
Health and wellness centre	1 (45 hrs)	<ul style="list-style-type: none"> • Assess community profile and make a community diagnosis. • Identify capacity building needs among community. • Conduct awareness programme for community. • Plan procedure according to family. • Organize labour room and plan for safe delivery. • Identify and manage STD/RTIs. • Counsel and educate individual, family & community. 	<ul style="list-style-type: none"> • Health assessment of an individual • Assessment of nutritional deficiencies • Social mobilization skills • Hand washing skills • Bio-medical waste management • Examination of lumps. • Assessment of the patient with eye, ear, nose and throat (ENT) problems. • Identification and management of dental problems. • Suturing of superficial wounds. • Management of aches and pain. • Management of common fevers. • Assessment and care of health problems among elderly. • Assessment and care of antenatal woman. • Monitoring labour and maintaining partograph. 	<ul style="list-style-type: none"> • Observation report of health and wellness centre • Use of equipments • Micro birth planning • Treatment of minor ailments. 	<ul style="list-style-type: none"> • Ongoing clinical assessment • Completion of logbook

			<ul style="list-style-type: none"> • Conducting vaginal examination. • Micro birth planning. • Promoting and monitoring growth and development and plotting chart • Transportation of baby and common accidents/mishaps in labour room. • Identification and management of complications during labor. • Assessment and management of STIs/RTIs. • Management of abortion and counseling. • Adolescent counseling (GATHER approach). • Infant and young child feeding and counselling • Use of equipments in sub centre • Immunization and safe injection practices. 		
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RS-1 NURSING MANAGEMENT

Placement: Fourth Year

Theory – 60 Hours
Practical -100 Hours

Paper	Subject	Internal assessment	Final Exam	Total marks
T/ XX	Nursing Management	25	75	100

Scheme of Examination (Theory/Written)

Paper	Subject	Duration	Max. Marks (Final Exam)
T/ XX	Nursing Management	3 hours	75

Question Paper Pattern

Essay type question	: 3 x 10 = 30 Marks
Short Notes	: 5 x 5 = 25 Marks
Short answer type	: 10 x 2 = 20 Marks

Note:

An examiner/paper setter in the subject of paper – T/XX Nursing Management need to be M.Sc. Nursing in any Nursing specialty with minimum 3 years of collegiate / university level teaching experience.

Course Description: This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects & contribution to the growth of the profession

COMPETENCIES:

On completion of the course, the students will be able to:

1. Analyse the health care trends influencing development of nursing services in India
2. Describe the principles, functions and process of management and administration applied to nursing
3. Develop basic understanding and beginning competencies in planning and organizing nursing services in different health care settings.
4. Apply the concept of human resource management and identify the job description for all categories of nursing personnel including in service education
5. Discuss the principles and methods of staffing and scheduling in an individual hospital/nursing unit
6. Develop skill in management of materials and supplies including inventory control
7. Develop team working and inter professional collaboration competencies

8. Identify effective leadership styles and develop leadership competencies
9. Utilize the knowledge of principles and line of control and participate in quality management and evaluation activities
10. Utilize the knowledge related to financial planning in nursing services and education during budgetary process
11. Apply the knowledge of nursing informatics in maintenance of records and reports relevant to patient information, nursing care and progress Demonstrate understanding of the INC guidelines for establishment and accreditation of educational institutions in terms of faculty norms, physical infrastructure and clinical facilities
12. Demonstrate beginning competencies in planning, organizing and staffing at college including implementation and evaluation of curriculum
13. Identify the legal issues and laws relevant to nursing practice and education
14. Apply the knowledge and utilize the various opportunities for professional advancement

Unit No.	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	4	<ul style="list-style-type: none"> • Explain the principles and function of management 	<p>Introduction to management & Administration in nursing</p> <ul style="list-style-type: none"> • Definition, nature & Philosophy • Principles of management • Functions of management • Comparison of administration and management. • Need of nursing management and Administration. • Role of Nurse as a manager • Desirable to know • concepts of management • Nice to know • Theories of management 	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions
II	8	Describe the elements and process of management	<p>Management Process</p> <ul style="list-style-type: none"> • Planning: Meaning, definition, importance, Nature, Characteristics, objectives, Principles, Components, steps, types. • Organization: Meaning, definition importance, nature. • Human resource management: Staffing; Meaning, definition, objectives, norms. Recruiting, selecting, deployment, retaining, promoting, superannuation etc. 	<ul style="list-style-type: none"> • Lecture cum Discussion • Simulated exercises • Case studies • Explain using organization chart & other A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

			<ul style="list-style-type: none"> • Directing: Definition features, importance, principles and elements role and functions. • Controlling: Quality management, definition, importance, limitations, characteristics, elements, type of control • Budgeting: concept, steps, principles, types, audit, • Material management: equipment and supplies, ABC analysis, VED analysis, Principles of good material management. • Program Evaluation Review Technique (PERT), • Desirable to know • Philosophy • levels of organization • philosophy, types of staff, factors affecting staffing. • control process. • Bench marking, activity plan (Gantt Chart) <p>Nice to know</p> <ul style="list-style-type: none"> • operational plan, change • organizational effectiveness and organizational climate. • creativity and innovations. • cost benefit analysis 		
III	15	Describe the Management of nursing services in the hospital and community. <ul style="list-style-type: none"> • Explain about the process of planning, organizing, staffing and controlling 	Management of nursing services in the Hospital and Community <ul style="list-style-type: none"> • Nursing Management <ul style="list-style-type: none"> ○ Concept, types, principles and techniques. ○ Vision, mission and statement. ○ Philosophy, aims and objectives. • Planning: <ul style="list-style-type: none"> ○ Formation of mission, philosophy, aims and objectives of Nursing services and Hospital and community. ○ Strategic Planning. • Organization: Hospital and patient care 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Simulated Exercises • Case studies • Supervised practice in ward-writing, indents, preparing duty roster, ward supervision • Assignments on duties and responsibilities of ward sister • Writing report 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of problem-solving exercises • Assessment of the assignment • Performance evaluation by ward sister with rating scale

			<p>units including ward management.</p> <ul style="list-style-type: none"> • Emergency and disaster management • Human resource management: <ul style="list-style-type: none"> ○ Staffing: ○ Recruiting, selecting, deployment, retaining, promoting, superannuation etc. ○ Patients/ population classification systems ○ Patients/ population assignment and Nursing care responsibilities. ○ • Directing and leading: delegation, participatory management <ul style="list-style-type: none"> ○ Assignments, rotations, delegations ○ Managing Conflict. • Controlling/Evaluation: <ul style="list-style-type: none"> ○ Supervision and guidance. ○ Maintenance of discipline. ○ Nursing Rounds/ Visits, Nursing protocols, Manuals ○ Quality Assurance: Continuous Quality Improvement, Standards Models, Audit ○ Documentation ○ Records and reports • Budgeting; proposal, projecting requirements for staff, equipment and supplies for <ul style="list-style-type: none"> ○ Patient care units, Hospital and community services. ○ Emergency and disaster management • Material Management: Planning and procurement procedures, equipment and supplies, inventory control, auditing and maintenance in <ul style="list-style-type: none"> ○ Hospital and patient care units Emergency and disaster management. 		
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			<p>Desirable to know</p> <ul style="list-style-type: none"> • Current trends and issues in Nursing Management. • Innovation in Nursing • Categories of nursing personnel including job description of all levels • Implement standards, policies, procedures and practices • Performance appraisal • proposal, projecting requirements for staff, equipment and supplies for Patient care units, Hospital and community services. <p>Nice to know</p> <ul style="list-style-type: none"> • Theories and models. <ul style="list-style-type: none"> ○ Personnel Policies. Staff development and welfare: Adult Education, Career Development 		
IV	5	Describe the concepts, theories and techniques of Organizational behavior and human relations	<p>Organizational behaviour and human relations</p> <ul style="list-style-type: none"> • Concepts and theories • Review of channels • Group dynamics • Techniques of: <ul style="list-style-type: none"> ○ Communication; and ○ Interpersonal relationships ○ Human relations: • Relations with professional associations and employee unions and collective bargaining <p>Desirable to know</p> <ul style="list-style-type: none"> • Leadership styles • Public relations in context of nursing <p>Nice to know.</p> <ul style="list-style-type: none"> • Review of motivation; concepts and theories 	<ul style="list-style-type: none"> • Lecture cum Discussion • Role plays • Group games • Self-assessment • Case discussion • Practice Session using organization chart & other A.V. aids. 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of problem solving
V	15	<ul style="list-style-type: none"> • Describe management of Nursing educational institutions • Participate 	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Planning <input type="checkbox"/> Establishment of nursing educational institution INC norms and guidelines 	<ul style="list-style-type: none"> • Lecture cum Discussion • Role plays • Counselling session 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions Assess the planning &

		<p>in planning and organizing in service education</p> <ul style="list-style-type: none"> • program 	<ul style="list-style-type: none"> <input type="checkbox"/> Co-ordination with <ul style="list-style-type: none"> o Regulatory bodies o Accreditation o Affiliation <input type="checkbox"/> Formulation of Philosophy/objectives <input type="checkbox"/> Organisation of college/School <ul style="list-style-type: none"> o Structure o Committees o Physical facilities o Clinical facilities o Hostel Facilities o Transport Facilities o Curriculum planning <input type="checkbox"/> Recruitment of Faculty and staff <ul style="list-style-type: none"> o Selection o Recruitment o Job description o Placement o Performance appraisal o Development and welfare: <ul style="list-style-type: none"> In service education o Nature & scope of in service education program, o Principles of adult learning, <input type="checkbox"/> Budgeting <input type="checkbox"/> Equipments and supplies; audio visual equipment, laboratory equipment, books, journals etc. <ul style="list-style-type: none"> o College/ School o Hostel <input type="checkbox"/> Student's selection and admission <ul style="list-style-type: none"> o Selection o Admission o Guidance and Counseling o Maintaining discipline <input type="checkbox"/> Maintenance of Records: <ul style="list-style-type: none"> College/School. <input type="checkbox"/> Institutional Records and reports administrative, faculty, staff and students. 		<p>conduct of the educational session</p>
VI	10	<ul style="list-style-type: none"> • Describe the ethical and legal responsibilities of a professional nurse. 	<p>Regulatory Bodies, Legal and Ethical Issues</p> <ul style="list-style-type: none"> • Regulatory bodies; Indian Nursing Council (INC), State Nursing Council Acts; - constitution, functions. • Current trends and issues 	<ul style="list-style-type: none"> • Lecture • Discussion • Case Discussion • Panel discussion • Role plays • Critical incidents • Visit to 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions • Assessment of critical incidents

		<ul style="list-style-type: none"> • Explain the legal aspects related to nursing practice. 	<p>in Nursing</p> <ul style="list-style-type: none"> • Legal aspects in Nursing <ul style="list-style-type: none"> ○ Legal terms related to practice; registration and licensing ○ Laws related to nursing practice; Breach and penalties ○ Malpractice and negligence • Practice standards for Nursing: INC <ul style="list-style-type: none"> ○ Professional responsibilities and accountability. • Patient Rights. • Desirable to know • Professional ethics Code of ethics; Indian Nursing Council, International Council for Nurses (ICN). Code of professional conduct; INC, ICN • Nice to know <ul style="list-style-type: none"> • Consumer protection act Clinical Establishment Act. 	INC/SNRCs	
VII	3	<ul style="list-style-type: none"> • Explain the various opportunities for professional advancement 	<p>Professional Advancement:</p> <ul style="list-style-type: none"> • Continuing education • Career opportunities • Membership with professional organizations; National and International <p>Desirable to know</p> <ul style="list-style-type: none"> • Participation in research activities • Publications; Journals newspapers etc. 	<ul style="list-style-type: none"> • Lecture cum Discussion • Review/Presentation of published articles • Group Exercises -Plan & conduct an educational session for in service nursing personnel Group work on maintenance of bulletin board 	<ul style="list-style-type: none"> • Essay type • Short notes • Short answer questions

RS-1 NURSING MANAGEMENT (PRACTICAL)

Placement: 4thYear

Practical: 100 hrs.

Competencies:

1. Prepare organizational chart of hospital/ Nursing services/nursing department
2. Calculate staffing requirements for a particular nursing unit/ward
3. Formulate Job description at different levels of care
4. Prepare duty roster for staff/ students at different levels
5. Participate in procuring/purchase of equipment & supplies
6. Maintain and store inventory and keep daily records
7. Prepare and maintain various records & reports of the settings-incident reports/adverse reports/audit reports
8. Prepare and implement protocols & manuals
9. Participate in supervision, evaluation and conducting in service education for the staff.
10. Prepare Master plan, time table and clinical rotation
11. Participate in planning, conducting and evaluation of clinical teaching
12. Participate in evaluation of students' clinical experience
13. Participate in planning and conducting practical examination OSCE-end of posting

Area	Duration	Objectives	Skills	Assignments	Assessment methods
Medical and surgical wards	10 days	<ul style="list-style-type: none"> ➤ Understand management of nursing services in hospital 	<ul style="list-style-type: none"> ➤ Vision, Mission, statement ➤ Formulate philosophy ➤ Delegate responsibilities, prepare rotation plans, conflict management, maintain discipline, quality assurance, documentation, prepare budget proposal, inventory control 	<ul style="list-style-type: none"> ➤ Vision, Mission, statement ➤ Formulate philosophy ➤ Preparation of duty roaster of nursing officers and other staff ➤ Rotation plan ➤ Writing nurses report ➤ Budget proposal ➤ Preparation of indent forms and procurement forms of assigned areas ➤ Developing checklist for 	<p>Evaluation of written assignment</p> <p>Evaluation of activities mentioned in assignment</p>

				performance appraisal of staff	
Different administrative offices	3 days	Develop communication skills & interpersonal relationship	<ul style="list-style-type: none"> ➤ Communication ➤ Inter personal relationship ➤ Public relation 	➤ Group activity on communication	Rating on a checklist of the group activity
field visits	2 days	Understand the ethical & legal responsibilities	<ul style="list-style-type: none"> ➤ Patient right ➤ Consumer protection 	Report on visit to INC, ONC	Evaluation of visit reports