



अखिल भारतीय आयुर्विज्ञान संस्थान, भुवनेश्वर

All India Institute of Medical Sciences, Bhubaneswar

सिजुआ, डाक-: डूमुदुमा, भुवनेश्वर – 751019
Sijua, Post: Dumuduma, Bhubaneswar- 751019

No. AIIMS/BBSR/ADMIN-II/2017/8361

दिनांक/ Dated : 11.03.2019

NOTIFICATION

Sub : Indicative Syllabus for Computer Based Test (CBT) of 45 Categories of Non-Faculty posts (Group B) in Various Disciplines at AIIMS Bhubaneswar on Direct Recruitment Basis.

Indicative Syllabus for Computer Based Test (CBT) of 45 Categories of Non-Faculty posts (Group B) in Various Disciplines at AIIMS-Bhubaneswar on Direct Recruitment Basis as advertised vide Advt. No. AIIMS/BBSR/Admin-II/2017/05 dated 05.05.2017 & AIIMS/BBSR/Admin-II/2017/05/4384 dated 02.11.2017. The Postcode-wise syllabus may be referred by the candidates as applicable to them which have been given as under :

Sl. No.	Name of the Posts
AIIMS02	Senior Nursing Officer / Staff Nurse Grade I
AIIMS04	Maternity & Child Welfare Officer
AIIMS05	TB & Chest Diseases Health Assistant
AIIMS06	CSSD Technician
AIIMS07	Technical Officer (Technical Supervisor)
AIIMS12	Audiometry Technician (ENT)
AIIMS13	Technical Assistant (ENT) Speech Therapist
AIIMS14	Technical Officer (Ophthal) (Refractionist)
AIIMS15	Electro Cardiograph Technical Assistant
AIIMS16	Technical Officer (Dental) (Dental Technician)
AIIMS17	Physiotherapist
AIIMS18	Multi Rehabilitation Worker (Physiotherapist)
AIIMS19	Occupational Therapist
AIIMS20	Technician Prosthetic & Orthotic (Technical Officer)
AIIMS22	Dietician
AIIMS23	Medical Social Service Officer Grade I
AIIMS24	Medico Social Worker
AIIMS26	Vocation Counsellor
AIIMS27	Health Educator (Social Psychologist)
AIIMS28	Medical Record Officer
AIIMS29	Laundry Manager
AIIMS30	Warden (Hostel Warden)
AIIMS31	Lady Hostel Warden
AIIMS32	Librarian Grade I (Documentalist)
AIIMS33	Librarian Grade-III
AIIMS34	Bio Medical Engineer
AIIMS35	PACS Administrator (Technical Officer-Photography)
AIIMS36	Gas Officer/Manager/Supervisor
AIIMS37	Assistant Engineer (A/C&R)
AIIMS38	Junior Engineer (A/C&R)
AIIMS39	Assistant Engineer (Electrical)
AIIMS40	Junior Engineer (Electrical)

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Sl. No.	Name of the Posts
AIIMS41	Assistant Engineer (Civil)
AIIMS42	Junior Engineer (Civil)
AIIMS43	Junior Accounts Officer (Accountant)
AIIMS44	Chief Cashier
AIIMS45	Assistant Administrative Officer
AIIMS47	Legal Assistant
AIIMS49	Transport Supervisor
AIIMS50	Assistant Security Officer
AIIMS51	Private Secretary
AIIMS52	Personal Assistant
AIIMS53	Assistant Stores Officer
AIIMS55	Sr. Hindi Officer
AIIMS56	Junior Hindi Translator

Sd/-

(Nishakar Sahoo)

सहायक प्रशासनिक अधिकारी/Asst. Administrative Officer
एम्स, भुवनेश्वर/AIIMS Bhubaneswar

SYLLABUS FOR STAFF NURSE GRADE-I/SENIOR NURSING OFFICER (AIIMS02)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Questions X 04 Marks Per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p> <p>2) Quantitative Ability: The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p> <p>3) General Studies / Current Affairs / G.K: Questions in this component will be aimed at testing the candidate's general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p> <p>4) Logical / Verbal Reasoning / Qualitative Aptitude: It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p> <p>5) Basic Computers a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems. b) Professional Software/Hardware System relevant to the Post. c) Any other Computer/IT related questions.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
PART-II (Compulsory): Post-Specific based on Domain Knowledge/Area/Cadre	
2	<p>Objective type of multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc. Nursing academic syllabus along with Nursing practice.</p> <ol style="list-style-type: none">1. Nursing Foundation2. Anatomy & Physiology3. Microbiology & Hospital Infection Control4. Medical Surgical Nursing & Intensive-care Nursing5. Mental Health – Psychiatric6. Midwifery & Gynaecology7. Paediatric Nursing8. Community Health Nursing9. Nursing Management

SYLLABUS FOR MATERNITY & CHILD WELFARE OFFICER (AIIMS04)

Duration of Computer Based Test : 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability: The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type of multiple-choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree/Diploma in General Nursing and Midwifery academic syllabus along with nursing practice with specialisation in Maternity and Child Welfare.</p> <ul style="list-style-type: none">1. Nursing Art & Bio-Medical Waste.2. Anatomy Physiology.3. Microbiology & Hospital Infection Control.4. Medical Surgical Nursing & Intensive-care Nursing.5. Mental Health - Psychiatric.6. Midwifery & Gynaecology.7. Paediatric Nursing.8. Community Health Nursing Part I & Part II – Hygiene.

SYLLABUS FOR TB & CHEST DISEASES HEALTH ASSISTANT (AIIMS05)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English:</p> <p>Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability :</p> <p>The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K :</p> <p>Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude :</p> <p>It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type of multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc (Hons) Nursing/Diploma in Nursing academic syllabus along with nursing practice with specialisation in TB and Chest Diseases.</p> <ul style="list-style-type: none">1. Nursing Art & Bio-Medical Waste.2. Anatomy Physiology.3. Microbiology & Hospital Infection Control4. Medical Surgical Nursing & Intensive-care Nursing5. Mental Health - Psychiatric6. Midwifery & Gynaecology7. Paediatric Nursing8. Community Health Nursing Part I & Part II - Hygiene

SYLLABUS FOR CSSD TECHNICIAN (AIIMS06)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type of questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc. (Microbiology or Medical Technology) academic syllabus along with CSSD practices.</p> <ul style="list-style-type: none">1. Basic Anatomy and Physiology.2. Applied Microbiology.3. CSSD Equipment handling and maintenance.4. Sterile Supply Services.5. General Hospital Management Services.

SYLLABUS FOR TECHNICAL OFFICER (TECHNICAL SUPERVISOR) – (AIIMS07)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	<p>Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>FOR B.SC/DIPLOMA (MEDICAL LAB TECHNOLOGY) CANDIDATES</p> <p>Objective type of questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc./Diploma (Medical Lab Technology) academic syllabus along with Medical Lab Technology and nursing practices.</p> <ol style="list-style-type: none"> 1. Basic Clinical Pathology 2. Basic Haematology 3. General Histopathology 4. Basic Bio-chemistry 5. General Microbiology 6. Immunology & Serology
3	<p>FOR B.SC/DIPLOMA (O.T. TECHNIQUES) CANDIDATES</p> <p>Objective type of questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc./Diploma (O.T. Techniques) academic syllabus along with OT Techniques and nursing practices.</p> <ol style="list-style-type: none"> 1. Principles of Anaesthesia and Basic Anaesthesia Techniques 2. Principles of Sterilisation and CSSD 3. Anaesthesia Machines, Ventilators, Defibrillators, Cylinders, Gas Pipelines and Scavenging Systems. 4. Principles of Electro Cautery, OT Tables, Operating Room Equipment, Laparoscopic Equipment. 5. Medical Ethics applied to Anaesthesia and Surgery. 6. Pharmacology of Anaesthesia Drugs, Critical care concepts and basic and advanced life supports.

SYLLABUS FOR AUDIOMETRY TECHNICIAN (ENT) – (AIIMS12)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc. Degree in Speech and Hearing academic syllabus along with Clinical Speech and Hearing Technician practices.</p> <ul style="list-style-type: none">1. Speech, Physiology2. Audiology3. Speech Pathology4. Psychology5. Linguistics Phonetics & Phonology6. Clinical Speech Pathology7. Radiology8. Clinical Psychology9. Electronics & Acoustics

SYLLABUS FOR TECHNICAL ASSISTANT (ENT) SPEECH THERAPIST (AIIMS13)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.
	2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.
	3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.
	4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc. Degree in Speech and Hearing academic syllabus along with Clinical Speech and Hearing Technician practices.</p> <ul style="list-style-type: none">1. Speech, Physiology2. Audiology3. Speech Pathology4. Psychology5. Linguistics Phonetics & Phonology6. Clinical Speech Pathology7. Radiology8. Clinical Psychology9. Electronics & Acoustics

SYLLABUS FOR TECHNICAL OFFICER (OPHAL) (REFRACTIONIST)-(AIIMS14)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.Sc. in Ophthalmic Techniques with academic syllabus along with Clinical Speech and Hearing Technician practices.</p> <ul style="list-style-type: none">• Ocular Anatomy• Ocular Physiology and Pathology• Ocular Biochemistry• Ocular Pharmacy and Pharmacology• Physical and Physiological Optics• Prism & Lenses• Retinoscopy & Refraction Techniques• Refractive Error• Disease of Eye• Diagnostic Instrument• Mechanical Optics• Community Ophthalmology• Investigative Ophthalmology• Management of OT

SYLLABUS FOR ELECTRO CARDIOGRAPH TECHNICAL ASSISTANT(AIIMS15)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.
	2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.
	3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.
	4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	<p>Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of 10+2 in Science with Certificate/Diploma Course in Echocardiography with academic syllabus along with Clinical Echocardiography Technical Assistant practices.</p> <ul style="list-style-type: none"> • Basic Anatomy & Physiology of Heart • Basic Principles of <ul style="list-style-type: none"> • Elementary Physics • Galvanometer • Elothuven's Principles • Standard 12 lead ECG • Electrical Axis • Normal Electrocardiogram • ECG Equipment details • Pitfalls of ECG recordings • Maintenance of ECG machine • Defibrillators, Central Monitor and Bedside Monitor <ul style="list-style-type: none"> • Use • Maintenance • Stress ECG [Treadmill Test] • Holter Monitoring • Interpretation of life threatening arrhythmias & ECG of Myocardial Infarction. • First Aid Management of cardiac emergencies • Practical Training in ICCU and non-invasive diagnostic laboratory

SYLLABUS FOR TECHNICAL OFFICER (DENTAL) (DENTAL TECHNICIAN)-(AIIMS16)**Duration of Computer Based Test: 150 Minutes (2½ Hours)****120 Question X 04 Marks per Question = Total 480 Marks****1 Question carries 04 Marks**

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory) : General Intelligence	
1	1) English: <p>Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	2) Quantitative Ability : <p>The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	3) General Studies / Current Affairs / G.K : <p>Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	4) Logical / Verbal Reasoning / Qualitative Aptitude : <p>It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Diploma in Dental Hygiene; or Dental Mechanic; or Maxillo-fascial Prosthesis and Orthodontic Appliances academic syllabus along with Clinical Dental Technician practices.</p> <ul style="list-style-type: none">• Anatomy, General & Dental• Physiology & Histology, General and Dental• Pharmacology General and Dental• Pathology & Microbiology• Dental Radiology• Dental Hygiene and Oral Prophylaxis• Dental Health Education• Community Public Health Dentistry• Preventive Dentistry• Dental Ethics and Jurisprudence, Orientation in Dentistry

SYLLABUS FOR PHYSIOTHERAPIST (AIIMS17)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English:</p> <p>Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability :</p> <p>The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K :</p> <p>Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude :</p> <p>It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of 10+2 with Science and Bachelor's Degree in Physiotherapy academic syllabus along with Clinical Physiotherapy practices.</p> <ul style="list-style-type: none">• General Anatomy• General Physiology• Exercise Therapy• Electrotherapy• Psychology• Surgery• Orthopaedics• Physiotherapy in Medical Conditions• Physiotherapy in Surgical Conditions• Rehabilitation• Recent advances on equipment's related to physiotherapy

**SYLLABUS FOR MULTI REHABILITATION WORKER (PHYSIOTHERAPIST) -
(AIIMS18)**

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p> <p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p> <p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p> <p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Bachelor's Degree in Physiotherapy & Diploma in Rehabilitation academic syllabus along with Clinical Physiotherapy practices.</p> <ul style="list-style-type: none">• General Anatomy• General Physiology• Exercise Therapy• Electrotherapy• Psychology• Surgery• Orthopaedics• Physiotherapy in Medical Conditions• Physiotherapy in Surgical Conditions• Rehabilitation• Recent advances on equipment's related to physiotherapy

SYLLABUS FOR OCCUPATIONAL THERAPIST (AIIMS19)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.
	2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.
	3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.
	4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of 10+2 with Science and Bachelor's Degree in Occupational Therapy academic syllabus along with Clinical Occupational Therapy practices.</p> <ul style="list-style-type: none">• Basic Anatomy• Basic Physiology• Basic Biochemistry• Basic Psychology• Basic Microbiology and Pathology• Occupational therapy in Orthopaedics• Occupational therapy in Neurology• Occupational therapy in Rehabilitation• Bio-engineering

**SYLLABUS FOR TECHNICIAN PROSTHETIC & ORTHOTIC (TECHNICAL OFFICER)
(AIIMS20)**

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p> <p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p> <p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p> <p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Bachelor's Degree in Prosthetics & Orthotics academic syllabus along with Clinical Occupational Therapy practices. The suggestive syllabus is given at ANNEXURE-1.</p>

**SYLLABUS FOR TECHNICIAN PROSTHETIC & ORTHOTIC (TECHNICAL OFFICER)
(AIIMS20)**

1.1. ANATOMY

Histology

Embryology

Thorax :

a) Cardio – Vascular System; b) Respiratory system; c) Abdomen: d) Musculo Skeletal Anatomy

Upper Extremity:

a) Osteology : b) Soft parts: c) Joints : d) Arches of hand, skin of the palm and dorsum of hand.

Lower Extremity:

a) Osteology ; b) Soft parts;; c) Joints:

Trunk & Pelvis:

a) Osteology;; b) Soft tissue;; c) Pelvic girdle and muscles of the pelvic floor

Head and Neck

Anatomy

1.2. PHYSIOLOGY

General Physiology; Blood; Nerve Muscle Physiology; Cardiovascular System; Respiratory System; Nervous System; Kidney and micturition; Integumentary system;; Endocrinology; Nutrition & Metabolism

1.3. MATERIAL AND WORKSHOP TECHNOLOGY

MATERIAL SCIENCE; Metal & Alloys;; Wood; Leather;; Fabric: Foams:
WORKSHOP TECHNOLOGY;

1.4. APPLIED MECHANICS AND STRENGTH OF MATERIALS

General Mechanics;; Simple stress & Strain - General;; Design concept;; Control systems;;
Ecogonomics with applied mechanics - General:

1.5. ENGINEERING DRAWING:

General Principles;; Fundamentals;; Design;; General Sketching:

1.6. BIOMECHANICS-I

Basic Concepts in Biomechanics: Kinematics and Kinetics; Joint structure and Function; Human Movements;; Joint Force Analysis;; Human locomotion and Gait analysis:

1.7. PROSTHETIC SCIENCE-I

Prosthetic Feet;; Partial Foot;; Syme's;; Trans Tibial;; Gait Deviations and Analysis;; Prosthetics

1.8. ORTHOTIC SCIENCE-I

General;; Different types of Orthoses;; Shoe Modification;; AFO (Ankle foot orthosis): Club foot Orthosis:

2.1. PATHOLOGY - General:

2.2. ORTHOPAEDICS & AMPUTATION SURGERY

Orthopaedics, Traumatology, Inflammatory and Degenerative Conditions, Disease of Bones and Joints, Congenital Deformities, Acquired Deformities, Cervical and Lumbar Pathology, Regional Conditions, Hip, Knee, Ankle & foot, Shoulder, Elbow and forearm, Wrist & Hand, Specific Disorders, Amputation Surgery, General, Orthopaedics

2.3. PHYSICAL MEDICINE AND REHABILITATION :

- A. Psychology & Social work : - Disability & Development
- B. Physiotherapy and Occupational Therapy
Introduction to Physiotherapy, Normal Posture, Movements, Traction, Muscle Testing,
Introduction to Occupational Therapy
- C. Physical Medicine and Rehabilitation: Community Based Rehabilitation: Specific disorders:
Sports Injuries:

2.4. FUNDAMENTALS OF ELECTRICITY AND ELECTRONICS

Electricity, Basic Concepts, Resistors, Transformers, Semi Conductors, Amplifiers, Feed Back, Measurements, Myoelectrodes, Electrical Safety, Bio-Electricity,

2.5. BIOMECHANICS – II

Through knee Biomechanics, Trans Femoral Prosthetics Biomechanics, Gait deviation, Above knee Orthotics Biomechanics:

2.6. PROSTHETICS SCIENCE- II

Knee Joints, Hip Joints, Through Knee Prosthesis, Trans Femoral Prosthesis, Endoskeleton / modular, Prosthetics

2.7. ORTHOTICS SCIENCE-II

Above knee Orthotics: Orthotics Components: Fabrication:

3.1. COMPUTER SCIENCE - Computer Aided Design & Manufacturing (CAD & CAM)

3.2. P&O WORKSHOP MANAGEMENT - Practical:

3.3. MOBILITY AND REHABILITATION AIDS

3.4. PROSTHETIC SCIENCE-III

3.5. ORTHOTIC SCIENCE -III

3.6. RESEARCH METHODOLOGY: Introduction to Biostatistics; Research methodology:

4.1. PROSTHETIC SCIENCE-IV - Prosthetics:

4.2. ORTHOTIC SCIENCE -IV

Spinal Biomechanics: Spinal Orthoses: Cervical Orthoses: Thoraco Lumbo Sacral Orthoses: Orthotics:

SYLLABUS FOR DIETICIAN (AIIMS22)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of M.Sc. (Home Science Food and Nutrition) / M.Sc. (Clinical Nutrition and Dietetics) / M. Sc. (Food Science & Nutrition) / M.Sc. (Food and Nutrition Dietetics) / M.Sc. (Food Service Management and Dietetics) academic syllabus along with Clinical Dietician practices.</p> <ul style="list-style-type: none">• Advanced Nutrition• Advanced Dietetics• Applied Physiology• Nutritional Biochemistry• Weight Management, Fitness and Sports Nutrition• Nutritional Biochemistry• Food Microbiology and food safety• Food service systems management• Hospital Organisation• Special diseases and diets

SYLLABUS FOR MEDICAL SOCIAL SERVICE OFFICER GRADE I (AIIMS23)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of MA (Social work) / MSW with specialization in Medical Social Work academic syllabus along with Medical Social Work practices.</p> <ul style="list-style-type: none">• Social Work Concepts• Concept of Social Group Work• Basics of Medical Social Work• Concept of Community & Community Development• Basic Health Education• Social Work Research

SYLLABUS FOR MEDICO SOCIAL WORKER (AIIMS24)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of MA (Social work) / MSW with specialization in Medical Social Work academic syllabus along with Medical Social Worker practices.</p> <ul style="list-style-type: none">• Social Work Concepts• Concept of Social Group Work• Basics of Medical Social Work• Concept of Community & Community Development• Basic Health Education• Social Work Research

SYLLABUS FOR VOCATION COUNSELLOR (AIIMS26)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory) : General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	Basic Computers a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems. b) Professional Software/Hardware System relevant to the Post. c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of PG Degree / Diploma in Psychology /Rehabilitation Psychology / Vocational Counselling / Vocational Guidance and Training / Vocational Rehabilitation academic syllabus along with Rehabilitation of the Orthopedically Handicapped counsellor practices. The suggestive syllabus is given as under :

SUGGESTIVE SYLLABUS FOR DEGREE / PG IN PSYCHOLOGY :

- 1.1. Theoretical Perspectives of Psychology
- 1.2. Cognitive Psychology
- 1.3. Biopsychology
- 1.4. Research Methods
- 1.5. Soft Core Paper: Psychometry

- 2.1. Personality Psychology
- 2.2. Counselling and Guidance
- 2.3. Child Psychopathology
- 2.4. Qualitative Research Methods
- 2.5. Soft Core Paper: Theories of Learning

- 3.1. Organizational Behaviour Behaviour 1: A micro perspective
- 3.2. Psychopathology
- 3.3. Psychological Therapies
- 3.4. Open Elective: Foundation and Applications of Psychology
- 3.5. Assessment and Interventions in Organizations

- 4.1. Organizational Behaviour II: A Macro Perspective
- 4.2. Social and Community Psychology
- 4.3. Rehabilitation Psychology
- 4.4. Positive Psychology

SUGGESTIVE SYLLABUS FOR PGD IN REHABILITATION PSYCHOLOGY :

PERSPECTIVES ON DISABILITY :

Unit-1	Concept and definition of disability Concept of impairment, activity, participation Nature and needs of persons with disabilities Concept of rehabilitation; Evolution of rehabilitation Paradigm shift in rehabilitation
Unit-2	Definition, nature, types and characteristics of various disabilities as per PD Act including: <ul style="list-style-type: none"> • Mental Retardation • Learning disabilities • Visual disabilities • Hearing and speech disabilities • Orthopaedic and neuromuscular disability • Cerebral Palsy • Multiple Disabilities
Unit-3	<ul style="list-style-type: none"> • Autism • Hanson's disease • Mental illness • Cardiac rehabilitation • Coping with cancer • HIV / AIDS
Unit-4	Incidence, prevalence, causes and prevention of above mentioned various disabilities.
Unit-5	Government schemes and policies Legislations: Mental Health Act PD Act RCI Act National Trust Act

MODELS OF DISABILITY AND REHABILITATION :

Unit-1	A: Biological Model Brain – Behaviour - Neurons, synapse, neurotransmitters and their functions - Central nervous system - Autonomic nervous system, Peripheral nervous system, spinal cord, brain stem.
Unit-2	Cortex – areas and functions - cerebral cortex – behaviour & limbic systems – experience - sensory, motor, associated cortex Lobe Functions Genetics and Disability
Unit-3	B: Sociological Model Family as a unit of study from rehabilitation point of view Family Types, Family Dynamics Marriages, Consanguinity and Disability Strengthening families
Unit-4	Group as support systems Group dynamics Self help groups Self advocacy movement Community awareness Community based rehabilitation
Unit-5	C: Models of Rehabilitation Models of Rehabilitation: Medical Model, Psychological Model, Socio-cultural Model, Institutional Model

REHABILITATION PSYCHOLOGY :

Unit-1	Rehabilitation Psychology: Definition, historical perspective, scope and methods. Functions of Rehabilitation Psychology
Unit-2	Psychological Approach to Rehabilitation: Assessment, diagnosis, treatment and certification Role of psychologist in disability rehabilitation Understanding psychological needs of caregivers and working with families of persons with disabilities
Unit-3	Personality development of persons with disabilities Lifespan development of persons with disabilities Personality traits and coping styles
Unit-4	Work settings of rehabilitation psychologists Designing training programmes for rehabilitation psychologists Training need analysis, implementation of training programmes
Unit-5	Research problems in disability rehabilitation Research designs Recent trends in research in rehabilitation psychology

PSYCHOLOGICAL ASSESSMENT AND EVALUATION :

Unit-1	Principles of assessment. Approaches to assessment – norm referenced, criterion referenced, idiometric and nomothetic. Methods of assessment.
Unit-2	Psychological testing: History and evolution of psychological testing movement. Requisites of a good psychological test: Objectivity, Reliability, validity, norms – types of norms. Types of psychological tests.
Unit-3	Psychological assessment of: Visually impaired Hearing handicapped Physically handicapped Mentally handicapped Learning disabilities
Unit-4	Assessment of Intelligence and cognitive functions. Developmental assessment. Neuropsychological assessment. Assessment of aptitude, interest and special abilities. Vocational assessment.
Unit-5	Role and relevance of psychological assessment in the field of disability rehabilitation. Uses of psychological tests in screening, diagnosis and assessment of persons with disabilities. Ethical issues in psychological assessment.

PSYCHOLOGICAL REHABILITATION AND INTERVENTION :

Unit-1	Definition and basic principles of psychological intervention. Psychotherapy: Concept and definition. Role of psychotherapy in the field of disability. Individual therapy and group therapy.
Unit-2	Types of Psychological Interventions: Psycho analytic therapy Client-centered therapy Cognitive Behaviour therapy Rational – Emotive therapy Supportive therapy
Unit-3	Augmentative therapy - psycho drama - role of play - art therapy - yoga & meditation

Unit-4	Behaviour therapy Theoretical basis of behaviour therapy. Various forms of behaviour therapy: Relaxation techniques, Systematic desensitization Assertive training. Bio-feedback
Unit-5	Behaviour modification technology Role of reinforcement in behaviour modification. Behaviour modification techniques to decrease undesirable behaviour. Behaviour modification techniques to increase desirable behaviours.

VOCATIONAL GUIDANCE AND COUNSELING :

Unit-1	Importance of vocational guidance and counselling in disability rehabilitation Vocational assessment: Traditional vs. contemporary approaches Job survey Job analysis and definition
Unit-2	Vocational training Strategies of job training Job training in simulated and community settings Training aids and devices Work behaviour
Unit-3	Job placement and employment model: Open competitive employment Supported employment Sheltered employment Self employment Empowerment of persons with disabilities by economic independence
Unit-4	Counselling – concept and definition Aims and objectives of counselling Characteristics of a good counsellor Counselling skills. Models of counselling: Egan’s model Adaptive model Social skills training
Unit-5	Types of counselling: Individual counselling Group counselling Parental counselling Marital counselling Family counselling Critical issues in rehabilitation counselling

SYLLABUS FOR HEALTH EDUCATOR (SOCIAL PSYCHOLOGIST) – (AIIMS27)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of MA/M.Sc. Degree in Psychology academic syllabus along with clinical physically challenged in rehabilitation centre practices. The suggestive syllabus is given at ANNEXURE-1.</p>

SUGGESTIVE SYLLABUS FOR THE POST OF HEALTH EDUCATOR (SOCIAL PSYCHOLOGIST)

Cognitive Psychology, Learning and Memory: Information Processing ; Cognitive Psychology ; Information Processing in Learning and Memory ; Neuropsychological Basis of Learning and Memory ; Models of Information Processing (All the Models) **Intelligence and Creativity :**Theories of Intelligence (G and S Factor and the Model of JP Das) ; Theories of Multiple Intelligence (Guilford, Gardner and Steinberg) ; Measurement of Intelligence ; Creativity and Problem Solving Language :**Language** Acquisition (Cognitive Theory) ; Language Processing (Comprehension and Language Expression) ; Multilingualism and Cognition ; Language and Speech Disorders Problem Solving : Nature of Problem Solving and Processes ; Stages and Strategies of Problem Solving ; Theoretical Approaches to Problem Solving ; Impediments in Problem Solving Lifespan Psychology :Prenatal, Infancy and Early Childhood ; Concept of Development, Growth and Development, Life Span Perspective, Methods of Studying Development and Characteristics of Development; Prenatal Development (Genetics, Environment Influence and Hazards of Development) ; Development During Infancy (Physical, Psychosocial, Cognitive and Linguistic); Early Childhood (Physical, Psychosocial, Cognitive and Linguistic) **Development During Early School Years (6-11) :** Physical Development ; Cognitive, Social, Emotional and Moral Development ; Schooling and Development ; Identification of Problems in School Children and Remedial Measures. Development During Adolescence : Physical Changes ; Cognitive Changes ; Identity, Self Concept, Self Esteem, Peer Group Relationship ; Challenges and Issues in Adolescent Development Adulthood and Aging :Physical Changes (Early Adulthood Middle Age, Old Age) ; Cognitive Changes (Early Adulthood Middle Age, Old Age) ; Psycho-social Changes (Early Adulthood Middle Age, Old Age) ; Challenges and Issues in Aging Process Personality: Theories and Assessment : Definition and Concept of Personality and Personality Development ; State/Trait Approaches to Personality ; Assessment of Personality ; Key Issues in Personality Theories of Personality I : Psychodynamic Theory (Including Horney and Sullivan) ; Social Cognitive Theory of Personality (Bandura); Learning Theory of Personality (Pavlov and Skinner) ; Humanistic and Self Theory (Maslow, Rogers) Theories of Personality II : Allport ; Cattell ; Eysenck ; The Big 5 Factor Model Assessment of Personality : Introduction to Assessment and Testing ; Approaches to Personality Assessment (Self Report, Problems of Response in Projective and Behavioural Assessment) ; Behavioural Assessment ; Other Measures of Personality Advanced Social Psychology : Introduction to Social Psychology ; Nature and Concept of Social Psychology and Social Psychology Related to other Disciplines ; Social Cognition (Attribution Theory) ; Methods of Social Psychology (Observation, Ethnography, Correlational, Experimental Social Psychology) ; Current Trend in Social Psychology and Ethical Issues Process of Social Influence: The Concept of Social Influence ; Pro Social Behaviour and Factors Contributing to Prosocial Behaviour ; Inter Personal Attraction ; Aggression and Violence Attitude, Stereotypes, Prejudice and Discrimination: Introduction to Attitude and Stereotypes ; Formation of Attitude and Attitude Change ; Prejudice and Discrimination ; Social Conflicts and Resolution Group Dynamics: Introduction to Group, Formation, Types of Group ; Group Dynamics ; Social Identity, Crowding and Crowd Behaviour ; Cooperation, Competition and Conflicts MPC 005 Research Methods.

Introduction to Research Methods in Psychology: Basic Process/Concept in Research ; Reliability and Validity (External and Internal) ; Variables and Constructs ; Hypothesis Formulation and Sampling :Types of Research : Survey Research ; Ex-post Facto Research ; Experimental Research (including Field Experiment) ; Case Study Block 3 Research Design ; Experimental Design: Single Factor ; Experimental Design: Factorial Design; Quasi Experimental Design ; Other Designs (Correlational Design and Comparative Design) Qualitative Research in Psychology : Introduction Including Ethnography ; Grounded Theory ; Discourse Analysis (Content Narrative) ; Reporting and Evaluating Quality Research Statistics in Psychology : Introduction to Statistics ; Parametric and Nonparametric Statistics ; Descriptive and Inferential Statistics ; Type I and Type II Errors ; Setting Up The Level of Significance Correlation and Regression : Product Moment Coefficient of Correlation ; Other Types of Correlation (including Phi-coefficient) ; Partial and Multiple Correlation ; Bivariate and Multiple Regression Normal Distribution : Characteristics of Normal Distribution; Significance of Mean Differences, Standard Error of the Mean ; Anova (One-Way); Two-Way Anova Nonparametric Statistics: Rationale ; Mann Whitney 'U' Test For Two Sample Test ; Kruskal Wallis Analysis of Variance ; Chi Square and Kendall Rank Correlation Counselling Psychology : Introduction to Counselling and Characteristics of a Counsellor ; Process of Counselling ; Theoretical Approaches to Counselling ; Ethics in Counselling.

Counselling: Models and Approaches: Psychoanalysis, Psychodynamic Psychotherapy ; Behavioural Therapy and Cognitive Behaviour Therapy Approaches to Counselling ; Drama and Art Therapy in Counselling ; Other Therapies (Person Centered Counselling, Solution Focused Counselling) Types of Counselling :HIV/AIDS Counselling ;Educational and Vocational Counselling ;Child Protection and Child Rights Counselling ; Addiction/Anxiety Counselling Counselling for Mental Disorders :Depression ; Personality Disorder ; Gender Identity Disorder ; Eating Disorder Assessment in Counselling and Guidance :Introduction to Assessment: Definition, Description and Differentiating between Testing and Assessment; Assessment Complexities ; The Ambience and Climate Needed for Assessment and Counseling ; Determination of aspects to be covered in counseling Approaches to Assessment in Counseling: Interview, Case History, Testing ; Approaches to Counselling: Psychodynamic Approach and Cognitive Approaches ; The Person Centered Approach to Assessment and Counseling ; The Narrative Approach to Assessment and Counseling Assessment in Counselling and Guidance :The Counselling Setting, and the Role of Counselors in Guidance and Counselling ; Individual and Group Techniques in Counseling and Guidance ; Counselling and Guidance for Career Planning and Decision Making ; Multicultural Counselling and Guidance: Role of Counselors In Preventing Illness and Promoting Positive Health Organizing and Planning Counselling and Guidance : Introduction to Developing Guidance and Counselling Programme ; Rationale and Purpose of Guidance and Counselling Programme ; Organizing and Evaluation of Guidance and Counselling Programme ; Methods of Evaluation Interventions in Counselling : Psychological Intervention: Major Modalities ; Psychoanalysis/Psychodynamic Counselling ; Insight and Short Term Counselling ; Interpersonal Counselling ; Counselling Children Cognitive Behavioural Counselling : Introduction to Behavior Modification and Cognitive Approach in Counselling ; Application of Cognitive Therapies in Counselling ; Cognitive Behavior Modification (Stress Inoculation, Self-instructional, Self-management, Problem Solving) ; Solution Focused Counselling and Integrative Counselling Other Counselling Interventions :Roger's Client Centered Counselling ; Psychodynamic Couple's Counselling ; Family and Group Counselling ; Eclectic Counselling ; Counselling: Future Directions :Teaching and Training for Counselling ; Current Status of Counselling with Special Reference to India ; Future Direction ; Research Findings.

SYLLABUS FOR MEDICAL RECORD OFFICER (AIIMS28)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Bachelor's Degree preferable with Science / One Year course in Medical Record academic syllabus along with Medical Records practices. The suggestive syllabus is given at ANNEXURE-1.</p>

SUGGESTIVE SYLLABUS FOR MEDICAL RECORD OFFICER

- Medical records: Definitions, Importance, Usage, Objectives, various forms of medical records, retention and prevention
- Hospital Management and Information System
- Medical Terminology
- Legal aspects of Medical records
- Hospital Statistics
- Coding and Indexing (ICD & ICF)
- Assembling and Deficiency checks
- International classification of diseases
- Basics in computers
 - Numbering, filing, storing and retrieving medical records
 - Maintenance of Registers-Birth, death, admission, discharge, charge out and MLC registers and Preparation of birth and death reports
 - Analysis of medical records-Preparation of deficiency check lists
 - Medical Ethics
 - Medical confidentiality, privileged communications, content of the reports, Medical negligence, Reports to police and Subpoena Legal potentialities of the hospital medical record-custody of the hospital records, Confidential communications, Types of cases using evidence from medical records-Life insurance cases, malpractice suits, Workmen's Compensation Act, authorization for operation etc.
 - Rules regarding registration of births and deaths -Certification of birth and death.
 - Release of information to Government and other agencies-Policies for release of Information from the medical records.
 - Correction of information in the medical records
 - Accidents registers and wound certificates Legal aspects of hospital-patient, doctor-patient, hospital-doctor relationship
 - Health Insurance - Role of medical record department in providing data for insurance companies; Releasing medical information.
- General & Bio Statistics
 - Definition (Statistics and Bio-statistics)
 - Values and uses of statistics
 - Methods of collection of data
 - Sampling
 - Types of data, rates and ratio
 - Measures of central tendency (simple, average, mean, median and mode)
 - Measure of dispersion (Mean deviation, standard deviation, range)
 - Graphic presentation of statistical data (line graph, bar diagram, pie chart etc.

SYLLABUS FOR LAUNDRY MANAGER (AIIMS29)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Diploma / Certificate in Dry Cleaning / Laundry Technology academic syllabus along with Mechanised Laundry practices.</p> <ul style="list-style-type: none">• Dry cleaning machines & its operations• Steam laundry processes• Methods of hospital dry cleaning processes• General Management of workers like minimum wages, ESIC coverage etc.• General knowledge on laundry accounting• Basic acids and reactions related to laundry• Washing techniques• Dry Cleaning Operations and Techniques• Laundry Machines and Dry-Cleaning Plants• Knowledge of Calendaring

SYLLABUS FOR WARDEN (HOSTEL WARDEN) - (AIIMS30)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate and Diploma/Certificate in House Keeping / Material Management / Public Relations / Estate Management academic syllabus along with Hostel Management Practices.</p> <p>Subject Related Questions:</p> <p><i>(House Keeping, Materials Management, Public Relations / Estate Management / Hostel Management in Hospital Sector)</i></p>

SYLLABUS FOR LADY HOSTEL WARDEN (AIIMS31)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate and Diploma/Certificate in House Keeping / Material Management / Public Relations / Estate Management academic syllabus along with Hostel Management Practices.</p> <p>Subject Related Questions:</p> <p><i>(House Keeping, Materials Management, Public Relations / Estate Management / Hostel Management in Hospital Sector)</i></p>

SYLLABUS FOR LIBRARIAN GRADE – I (DOCUMENTALIST) – (AIIMS32)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Bachelor Degree / Post Graduate Diploma in Library Science or Library and Information Service academic syllabus in Library Sciences. The suggestive syllabus is as under given :</p> <ul style="list-style-type: none"> • Foundations of Library & Information Science • Library Organization • Reference Service • Information retrieval • Knowledge Organisation • Document Description • Library & Information Technology • Library Systems • Library Management • Reference Sources • Documentation Technique • Management of Libraries & Information Centers / Institutions • Library and Information Centres: • Concept and Role in Society; • Types of Libraries and information Centres: • Public, Academic, Special and National; • Modern Library: Automated, Digital and Virtual ; • Five Laws of Library Science; Overview of Information Sources; Types of Information Source; Reference Sources; E-Resources; • Organization of Library Material: Concept, Need and Purpose; • Processing of Library Material: Classification and Cataloguing Arrangement and Maintenance of Library Material; Library and Information Services for the Users; Traditional Library Services: Responsive and Anticipatory Modern Library Services; Library System and Management; • Library Staff; Library Users; Librarianship as a Career; • Information Retrieval Concept of Scope Information Retrieval Tools: Catalogue, Index, Subject Heading Lists; • Search Techniques: Basic and Advanced; Web Based Search.

SYLLABUS FOR LIBRARIAN GRADE-III (AIIMS33)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Bachelor Degree / Post Graduate Diploma in Library Science or Library and Information Service with academic syllabus Library practices. The suggestive syllabus is as under :</p> <ul style="list-style-type: none"> • Foundations of Library & Information Science • Library Organization • Reference Service • Information retrieval • Knowledge Organisation • Document Description • Library & Information Technology • Library Systems • Library Management • Reference Sources • Documentation Technique • Management of Libraries & Information Centers / Institutions • Library and Information Centres: • Concept and Role in Society; • Types of Libraries and information Centres: • Public, Academic, Special and National; • Modern Library: Automated, Digital and Virtual ; • Five Laws of Library Science; Overview of Information Sources; Types of Information Source; Reference Sources; E-Resources; • Organization of Library Material: Concept, Need and Purpose; • Processing of Library Material: Classification and Cataloguing Arrangement and Maintenance of Library Material; Library and Information Services for the Users; Traditional Library Services: Responsive and Anticipatory Modern Library Services; Library System and Management; • Library Staff; Library Users; Librarianship as a Career; • Information Retrieval Concept of Scope Information Retrieval Tools: Catalogue, Index, Subject Heading Lists; • Search Techniques: Basic and Advanced; Web Based Search.

SYLLABUS FOR BIO MEDICAL ENGINEER (AIIMS34)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.E./ B. Tech/Diploma in Bio-Medical Engineering with academic syllabus along with Bio-Medical Engineering practices. The suggestive syllabus is given as under :</p> <p>Basics in Engineering :</p> <ol style="list-style-type: none"> 1. Technical English 2. Engineering Mathematics 3. Engineering Physics 4. Engineering Chemistry 5. Engineering Graphics <p>Basics About Human Body :</p> <p>Human Anatomy, Human Physiology and Bio Chemistry (Only very basics like names of Body Parts, Systems) Etc.</p> <p>Biomedical Engineering :</p> <p>Computer Programming, Electronic Devices And Circuits, Circuit Theory, Transforms And Partial Differential Equations, Signals And Systems, Sensors And Measurements, Object Oriented Programming And Data Structures, Probability And Random Processes, Basics Of Electrical Engineering, Analog And Digital ICS, Pathology And Microbiology, Analog And Digital Communication, Circuits And ICS Laboratory, Pathology And Microbiology Laboratory, Bio Control Systems, Object Oriented Programming And Data Structures, Probability And Random Processes, Basics Of Electrical Engineering, Analog And Digital ICS, Pathology And Microbiology, Analog And Digital Communication, Circuits And ICS Laboratory, Pathology And Microbiology Laboratory, Bio Control Systems, Diagnostic And Therapeutic Equipment, Bio Materials And Artificial Organs, Biomedical Instrumentation, Microprocessor And Microcontroller, Hospital Management, Radiological Equipment, Biomechanics, Principles Of Digital Signal Processing, Environmental Science And Engineering, Digital Signal Processing Laboratory, Diagnostic And Therapeutic Equipment (ECG, EEG, USG, CT Scan, MRI, Infusion Pumps, Cardiac Monitors Etc.), Pattern Recognition And Neural Networks, Medical Informatics, Medical Optics, Digital Image Processing, Hospital Training, Rehabilitation Engineering Etc.</p>

SYLLABUS FOR PACS ADMINISTRATOR (TECHNICAL OFFICER-PHOTOGRAPHY) - (AIIMS35)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of B.E. / B.Tech / MCA academic syllabus along with Medical IT systems / PACS practices. The suggestive syllabus is given at ANNEXURE-1.</p>

Suggestive Syllabus for PACS Administrator (Technical Officer Photography) :

- The components of a PACS system
- Compare data & workflows in an analog and digital environment
- Summarize how studies are archived, queried and retrieved
- Identify system software components
- The concept of streaming and compression of images
- Identify and construct system users, groups, profiles
- Features and functions of the Work Flow Manager Administration tool Perform updates and reconciliation of studies in the PACS database
- The flow of images to be stored on the PACS system
- The DICOM parsing function to map DICOM fields to other DICOM fields
- The function of the Info Router software, construct rules and perform monitoring of jobs
- The IS Link software and its relationship with Radiology Orders and Reports
- CD Direct key features and functions
- The email key features and functions
- The Data Import key features and functions
- The Non-DICOM Import key features and functions
- key functions of the PACS System Administrator
- Pre-implementation strategy for the PACS, project management during installation and implementation of the PACS, and take total ownership of the PACS system at the completion of the implementation
- Tasks and necessary knowledge to properly manage the PACS system
- Navigate Archive Explorer
- Select and use various tools in the display area
- Differentiate between viewbox layout and group layout, as well as navigate through stacked viewers.
- Utilize the PowerViewer toolsets
- Adjust parameters of MPR, and utilize its functions
- Utilize the 3D toolsets
- Define, edit, create, quantify and annotate vessel analysis
- Utilized the system's mammography toolset
- Basic functions of OrthoView, Cardiac Analysis, Cardiac PACS, PET-CT/MRI Fusion, and Volume Matching
- Interpret and utilize DICOM Header information
- **PACS V11.XX SYSTEM ADMINISTRATION SYLLABUS**
- Configure and utilize Display Protocols
- List and perform how to start and stop system processes
- Perform system check
- Monitor license status
- Daily, weekly and situational preventative maintenance procedures
- Working knowledge of Digital Dashboard
- Monitor log files
- Monitor Audit Trail events
- Configuration of the PACS WFM server
- Life Cycle configuration and Autodelete priorities
- The RMS software agents perform
- Proficiency in troubleshooting various common issues
- How to contact Carestream Support Center, and the information to be provided for the Issue

- System Administrator Responsibilities
- Overview of Workflow – Analog vs. Digital
- Virtual Tour of Hospital
- Overview of Image Workflow
- Overview of Storage Workflow
- Carestream PACS v11.xx Overview
- User Administration
- Database Administration
- InfoRouter
- ISLink
- CD Direct
- Email
- Data Importing
- DICOM
- Documents
- System Configuration
- Troubleshooting
- PACS Admin Role
- Carestream Client
- PACS v11.xx System Administration Course Syllabus
- Archive Explorer
- Display Area
- DICOM Tags
- Display Area Con't
- Viewbox Layout
- MPR & 3D
- Vessel Analysis
- Mammography
- Display Protocols
- System Monitoring – Dashboard, Logs, Audit Trail

SYLLABUS FOR GAS OFFICER / MANAGER / SUPERVISOR (AIIMS36)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree / Diploma in Mechanical Engineering academic syllabus along with carrying out work associated with the Medical Gas Management distribution line, taps, cocks and outlets.</p> <ul style="list-style-type: none">• Applied Mechanics and design Engineering Mechanics• Mechanics of Materials• Theory of Machines• Fluid Mechanics and Thermal Science Fluid Mechanics• Thermodynamics

SYLLABUS FOR ASSISTANT ENGINEER (A/C & R) – (AIIMS37)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate in Mechanical /Electrical Engineering academic syllabus along with experience in designing and engineering of Civil Projects preferable in Hospital Environment. The suggestive syllabus is given at ANNEXURE-1.</p>

Suggestive Syllabus for Assistant Engineer (AC & R)

INTRODUCTION

- Basic Fundamentals
- Standards & codes used In HVAC-R System
- Factors to \controlled in HVAC System
- Modes of heat transfer
- Sensible and Latent Heat
- Building Maintenance System
- Split A/C, Window A/C, Casket A/C, Desert A/c
- Electrical Panel
- 3 Phase Induction Motors / DC Motors
- Cooling Towers

Refrigerants & refrigeration Cycle

- Study on Refrigerants
- Laws & Properties of Refrigerant
- Refrigerant and Brines Solutions
- Classification of Refrigerant
- Practical hands on experience on Refrigeration Cycle

Psychometrics Chart

- Study on Psychometrics
- Study on properties of Air & moisture
- Dry Bulb Temperature
- Wet Bulb Temperature
- Dew Point Temperature
- Relative Humidity
- Humidity Ratio

Components of Air-Conditioning and Refrigeration machines

- Basic Refrigeration System or Vapor Compression Cycle
- Working and classification of Compressors
- Function and classification of Condensers
- Function and classification of Expansion Valves
- Working and classification of Evaporators
- Accessories used in the System

Designing and Calculation of Heat Loads

- Dehumidified air and heat load calculations
- Finding 'U' Factor for the various material like Wall, Glass, Roof, Partition
- Finding Temperature difference (TD)
- Ventilation and Infiltration Concept
- Heat Load Estimate (Manually & Software-E20)
- Heat Load Estimate (HAP Software)
- Tonnage (TR) & Air Flow (L/S, CFM) for Project

Classification of Air-Conditioning System

- Centralized and non-centralized A/C's
- Working and installation different kind of A/C's
- Selection and installation of Machine based on load
- Selection as per Project Specifications
- Placing Location of Equipment's

Air Distribution System

- Types of Air Distribution System & Equipment's
- Types of Air Terminal Devices
- Types of AHU's, FCU, FAHU's and their installation
- Types of material used for air distribution system
- Classification of Fans
- Selection of Fans

- Classification of Ducts
- Designing & Installation of Ducts
- Duct Routing and terminals connections
- Duct Fittings
- Classification and selection of Dampers

Central Plant Chilled Water System

- Designing and installation of chillers
- Types of chilled water system
- Components of chilled water system
- Designing and installation of Colling tower
- Pump head calculations
- Selection & installation of pumps & valves
- Designing of Exhaust & Ventilation System
- Types of ventilation system
- Types of exhaust system
- Designing of Staircase Pressurization System
- Designing process for the calculation of Air Flow Quantity

Ventilation and exhaust System

- Natural ventilation system
- Mechanical Ventilation system
- Car Park ventilation
- Designing and calculation of ventilation system
- Selection of Exhaust fans (Jet Fans, Jet thrust fans, etc....)

Staircase Pressurization System

- Idea on Staircase pressurization System
- Staircase pressurization System calculation
- Duct routing and designing for fresh air
- Fresh air fan selection

Detailed Schematic design Layouts (Drafting)

- Basics of CAD,
- Preparation Symbols & Legends of Plumbing & Fire Fighting System
- Preparation of detail layouts including sectional details wherever required
- Representation of Design drawing
- Preparation of Single line Schematic & isometric Drawing of Water Supply Piping, Drainage Disposal Pipe Routing, Fixture, Equipment's and other required sections.
- Coordination with other services like PL, FF, EE, ELV layouts
- Preparation of shop drawings based on the tender drawings issued
- As built drawings shall be prepared and handed over to client's representative

ESTIMATION & COSTING OF PROJECTS

- Estimation & tendering requirements
- Bill of Quantities (BOQ) from shop drawing
- Preparation of O&M manuals
- Preparation of Testing & Commissioning Reports
- Preparation of inquiries, & preparation of Final Billings
- Preparation of approvals from consultants and authorities

PROJECT MANAGEMENT

- Estimation and tendering of projects
- Procurement Process
- Preparation of material submittals
- Preparation of bill of quantity's
- Preparation of O&M manuals
- Preparation of testing and commissioning reports
- Preparation of installation approvals from consultants and authorities

SYLLABUS FOR JUNIOR ENGINEER (A/C & R) – (AIIMS38)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate/Diploma in Mechanical/Electrical Engineering academic syllabus along with experience in repair and maintenance of large scale Air Conditioning and Refrigeration System. The suggestive syllabus is given at ANNEXURE-1.</p>

Suggestive Syllabus for Assistant Engineer (AC & R)

INTRODUCTION

- Basic Fundamentals
- Standards & codes used In HVAC-R System
- Factors to \controlled in HVAC System
- Modes of heat transfer
- Sensible and Latent Heat
- Building Maintenance System
- Split A/C, Window A/C, Casket A/C, Desert A/c
- Electrical Panel
- 3 Phase Induction Motors / DC Motors
- Cooling Towers

Refrigerants & refrigeration Cycle

- Study on Refrigerants
- Laws & Properties of Refrigerant
- Refrigerant and Brines Solutions
- Classification of Refrigerant
- Practical hands on experience on Refrigeration Cycle

Psychometrics Chart

- Study on Psychometrics
- Study on properties of Air & moisture
- Dry Bulb Temperature
- Wet Bulb Temperature
- Dew Point Temperature
- Relative Humidity
- Humidity Ratio

Components of Air-Conditioning and Refrigeration machines

- Basic Refrigeration System or Vapor Compression Cycle
- Working and classification of Compressors
- Function and classification of Condensers
- Function and classification of Expansion Valves
- Working and classification of Evaporators
- Accessories used in the System

Designing and Calculation of Heat Loads

- Dehumidified air and heat load calculations
- Finding 'U' Factor for the various material like Wall, Glass, Roof, Partition
- Finding Temperature difference (TD)
- Ventilation and Infiltration Concept
- Heat Load Estimate (Manually & Software-E20)
- Heat Load Estimate (HAP Software)
- Tonnage (TR) & Air Flow (L/S, CFM) for Project

Classification of Air-Conditioning System

- Centralized and non-centralized A/C's
- Working and installation different kind of A/C's
- Selection and installation of Machine based on load
- Selection as per Project Specifications
- Placing Location of Equipment's

Air Distribution System

- Types of Air Distribution System & Equipment's
- Types of Air Terminal Devices
- Types of AHU's, FCU, FAHU's and their installation
- Types of material used for air distribution system
- Classification of Fans
- Selection of Fans

- Classification of Ducts
- Designing & Installation of Ducts
- Duct Routing and terminals connections
- Duct Fittings
- Classification and selection of Dampers

Central Plant Chilled Water System

- Designing and installation of chillers
- Types of chilled water system
- Components of chilled water system
- Designing and installation of Colling tower
- Pump head calculations
- Selection & installation of pumps & valves
- Designing of Exhaust & Ventilation System
- Types of ventilation system
- Types of exhaust system
- Designing of Staircase Pressurization System
- Designing process for the calculation of Air Flow Quantity

Ventilation and exhaust System

- Natural ventilation system
- Mechanical Ventilation system
- Car Park ventilation
- Designing and calculation of ventilation system
- Selection of Exhaust fans (Jet Fans, Jet thrust fans, etc....)

Staircase Pressurization System

- Idea on Staircase pressurization System
- Staircase pressurization System calculation
- Duct routing and designing for fresh air
- Fresh air fan selection

Detailed Schematic design Layouts (Drafting)

- Basics of CAD,
- Preparation Symbols & Legends of Plumbing & Fire Fighting System
- Preparation of detail layouts including sectional details wherever required
- Representation of Design drawing
- Preparation of Single line Schematic & isometric Drawing of Water Supply Piping, Drainage Disposal Pipe Routing, Fixture, Equipment's and other required sections.
- Coordination with other services like PL, FF, EE, ELV layouts
- Preparation of shop drawings based on the tender drawings issued
- As built drawings shall be prepared and handed over to client's representative

ESTIMATION & COSTING OF PROJECTS

- Estimation & tendering requirements
- Bill of Quantities (BOQ) from shop drawing
- Preparation of O&M manuals
- Preparation of Testing & Commissioning Reports
- Preparation of inquiries, & preparation of Final Billings
- Preparation of approvals from consultants and authorities

PROJECT MANAGEMENT

- Estimation and tendering of projects
- Procurement Process
- Preparation of material submittals
- Preparation of bill of quantity's
- Preparation of O&M manuals
- Preparation of testing and commissioning reports
- Preparation of installation approvals from consultants and authorities

SYLLABUS FOR ASSISTANT ENGINEER (ELECTRICAL) – (AIIMS39)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	Basic Computers a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems. b) Professional Software/Hardware System relevant to the Post. c) Any other Computer/IT related questions.
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate in Electrical Engineering academic syllabus along with experience in designing and engineering in Civil Projects preferable in a Hospital Environment. The suggestive syllabus is as under : <ul style="list-style-type: none">• Basic concepts• Circuit law• Magnetic Circuit• AC Fundamentals• Measurement and Measuring instruments• Electrical Machines• Fractional Kilowatt Motors and single-phase induction Motors• Synchronous Machines, Generation, Transmission and Distribution and Energy Conservation.• Estimation and Costing, Utilization and Electrical Energy• Basic Electronics

SYLLABUS FOR JUNIOR ENGINEER (ELECTRICAL) (AIIMS40)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree / Diploma in Electrical Engineering academic syllabus along with experience in repair and maintenance of Electrical systems preferable in a Hospital Environment. The suggestive syllabus is as under :</p> <ul style="list-style-type: none">• Basic concepts• Circuit law• Magnetic Circuit• AC Fundamentals• Measurement and Measuring instruments• Electrical Machines• Fractional Kilowatt Motors and single-phase induction Motors• Synchronous Machines, Generation, Transmission and Distribution• Estimation and Costing, Utilization and Electrical Energy• Basic Electronics

SYLLABUS FOR ASSISTANT ENGINEER (CIVIL) – (AIIMS41)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	<p>Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree in Civil Engineering academic syllabus along with experience in design and engineering of Civil Projects preferable in a Hospital Environment. The suggestive syllabus is as under :</p> <p>Engineering Mechanics, Solid Mechanics, Structural Analysis, Construction Materials and Management, Concrete Structures, Steel Structures, Soil Mechanics, Foundation Engineering, Fluid Mechanics, Hydraulics, Hydrology, Irrigation, Water and Waste Water, Air Pollution, Municipal Solid Wastes, Noise Pollution, Transportation Infrastructure, Highway Pavements, Traffic Engineering, Surveying.</p>

The details of Syllabus is as under :

1. **Engineering Mechanics:** System of forces, free-body diagrams, equilibrium equations; Internal forces in structures; Friction and its applications; Kinematics of point mass and rigid body; Centre of mass; Euler's equations of motion; Impulse-momentum; Energy methods; Principles of virtual work.
2. **Solid Mechanics:** Bending moment and shear force in statically determinate beams; Simple stress and strain relationships; Theories of failures; Simple bending theory, flexural and shear stresses, shear centre; Uniform torsion, buckling of column, combined and direct bending stresses.
3. **Structural Analysis:** Statically determinate and indeterminate structures by force/ energy methods; Method of superposition; Analysis of trusses, arches, beams, cables and frames; Displacement methods: Slope deflection and moment distribution methods; Influence lines; Stiffness and flexibility methods of structural analysis.
4. **Construction Materials and Management:** Construction Materials: Structural steel - composition, material properties and behaviour; Concrete - constituents, mix design, short-term and long-term properties; Bricks and mortar; Timber; Bitumen. Construction Management: Types of construction projects; Tendering and construction contracts; Rate analysis and standard specifications; Cost estimation; Project planning and network analysis - PERT and CPM.
5. **Concrete Structures:** Working stress, Limit state and Ultimate load design concepts; Design of beams, slabs, columns; Bond and development length; Prestressed concrete; Analysis of beam sections at transfer and service loads.
6. **Steel Structures:** Working stress and Limit state design concepts; Design of tension and compression members, beams and beam- columns, column bases; Connections - simple and eccentric, beam-column connections, plate girders and trusses; Plastic analysis of beams and frames.
7. **Soil Mechanics:** Origin of soils, soil structure and fabric; Three-phase system and phase relationships, index properties; Unified and Indian standard soil classification system; Permeability - one dimensional flow, Darcy's law; Seepage through soils - two-dimensional flow, flow nets, uplift pressure, piping; Principle of effective stress, capillarity, seepage force and quicksand condition; Compaction in laboratory and field conditions; One- dimensional consolidation, time rate of consolidation; Mohr's circle, stress paths, effective and total shear strength parameters, characteristics of clays and sand.
8. **Foundation Engineering:** Sub-surface investigations - scope, drilling bore holes, sampling, plate load test, standard penetration and cone penetration tests; Earth pressure theories - Rankine and Coulomb; Stability of slopes - finite and infinite slopes, method of slices and Bishop's method; Stress distribution in soils - Boussinesq's and Westergaard's theories, pressure bulbs; Shallow foundations - Terzaghi's and Meyerhoff's bearing capacity theories, effect of water table; Combined footing and raft foundation; Contact pressure; Settlement analysis in sands and clays; Deep foundations - types of piles, dynamic and static formulae, load capacity of piles in sands and clays, pile load test, negative skin friction.

9. **Fluid Mechanics:** Properties of fluids, fluid statics; Continuity, momentum, energy and corresponding equations; Potential flow, applications of momentum and energy equations; Laminar and turbulent flow; Flow in pipes, pipe networks; Concept of boundary layer and its growth.
10. **Hydraulics:** Forces on immersed bodies; Flow measurement in channels and pipes; Dimensional analysis and hydraulic similitude; Kinematics of flow, velocity triangles; Basics of hydraulic machines, specific speed of pumps and turbines; Channel Hydraulics - Energy-depth relationships, specific energy, critical flow, slope profile, hydraulic jump, uniform flow and gradually varied flow
11. **Hydrology:** Hydrologic cycle, precipitation, evaporation, evapo-transpiration, watershed, infiltration, unit hydrographs, hydrograph analysis, flood estimation and routing, reservoir capacity, reservoir and channel routing, surface run-off models, ground water hydrology - steady state well hydraulics and aquifers; Application of Darcy's law.
12. **Irrigation:** Duty, delta, estimation of evapo-transpiration; Crop water requirements; Design of lined and unlined canals, head works, gravity dams and spillways; Design of weirs on permeable foundation; Types of irrigation systems, irrigation methods; Water logging and drainage; Canal regulatory works, cross-drainage structures, outlets and escapes.
13. **Water and Waste Water:** Quality standards, basic unit processes and operations for water treatment. Drinking water standards, water requirements, basic unit operations and unit processes for surface water treatment, distribution of water. Sewage and sewerage treatment, quantity and characteristics of wastewater. Primary, secondary and tertiary treatment of wastewater, effluent discharge standards. Domestic wastewater treatment, quantity of characteristics of domestic wastewater, primary and secondary treatment. Unit operations and unit processes of domestic wastewater, sludge disposal.
14. **Air Pollution:** Types of pollutants, their sources and impacts, air pollution meteorology, air pollution control, air quality standards and limits.
15. **Municipal Solid Wastes:** Characteristics, generation, collection and transportation of solid wastes, engineered systems for solid waste management (reuse/ recycle, energy recovery, treatment and disposal).
16. **Noise Pollution:** Impacts of noise, permissible limits of noise pollution, measurement of noise and control of noise pollution.
17. **Transportation Infrastructure:** Highway alignment and engineering surveys; Geometric design of highways - cross-sectional elements, sight distances, horizontal and vertical alignments; Geometric design of railway track; Airport runway length, taxiway and exit taxiway design.
18. **Highway Pavements:** Highway materials - desirable properties and quality control tests; Design of bituminous paving mixes; Design factors for flexible and rigid pavements; Design of flexible pavement using IRC: 37-2012; Design of rigid pavements using IRC: 58-2011; Distresses in concrete pavements.
19. **Traffic Engineering:** Traffic studies on flow, speed, travel time - delay and O-D study, PCU, peak hour factor, parking study, accident study and analysis, statistical analysis of traffic data; Microscopic and macroscopic parameters of traffic flow, fundamental relationships; Control devices, signal design by Webster's method; Types of intersections and channelization; Highway capacity and level of service of rural highways and urban roads.
20. **Surveying:** Principles of surveying; Errors and their adjustment; Maps - scale, coordinate system; Distance and angle measurement - Levelling and trigonometric levelling; Traversing and triangulation survey; Total station; Horizontal and vertical curves.

Photogrammetry - scale, flying height; Remote sensing - basics, platform and sensors, visual image interpretation; Basics of Geographical information system (GIS) and Geographical Positioning system (GPS).

SYLLABUS FOR JUNIOR ENGINEER (CIVIL) – (AIIMS42)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre
	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree/Diploma in Civil Engineering academic syllabus along with experience in design and engineering of Civil Projects, preferably in a Hospital Environment. The suggestive syllabus is as under :</p> <ul style="list-style-type: none">• Building Materials• Estimating, Costing and Valuation• Surveying• Soil Mechanics• Hydraulics• Irrigation Engineering• Transportation Engineering• Environmental Engineering• Structural engineering• Theory of Structures• Concrete Technology• RCC Design/Steel Designs

SYLLABUS FOR JUNIOR ACCOUNTS OFFICER (ACCOUNTANT) – (AIIMS43)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree in Commerce academic syllabus along with handling accounts work in Government Organisation. The suggestive syllabus is as under :</p> <ul style="list-style-type: none"> • Accounts • Introduction to Accounting Basics • Income Statement • Balance Sheet – Assets • Balance Sheet – Liabilities and Stockholders' Equity • Statement of Cash Flows, Double Entry System, Single Entry System, Sample Transaction. • Bank Reconciliation. • Hire Purchase A/c, Branch A/c, Royalty A/c, Partnership A/c, Consignment A/c, Ratio Analysis. <p>I) Advanced Accounting:</p> <ol style="list-style-type: none"> 1. Company Accounts introduction; shares & debentures etc. 2. Company Accounts; final Accounts 3. Cash and fund flow statements <p>II) Auditing</p> <ol style="list-style-type: none"> 1. Nature, objective and basic principles of auditing 2. Techniques of auditing physical verification, examination of documents and vouching, direct confirmation, analytical review. 3. Planning and audit, audit programmes, working papers, audit process 4. Valuation of internal controls. 5. Various types of Audit. <p>III) Financial Management – an over view:</p> <ol style="list-style-type: none"> 1. Goals of Financial Management. 2. Key activities of Financial Management. 3. Relationship of Finance to Accounting and Audit 4. Organization of Finance Function. <p>IV) Financial Statements:</p> <ol style="list-style-type: none"> 1. Basic concepts underlying accounting. 2. Balance Sheet 3. Profit and Loss Accounts 4. Source and usage of final statements 5. Financial topics related to balances received and profit and loss accounts 6. Analysing financial performance 7. Financial ratios 8. Applications of financial analysis 9. Problems in financial statements and analysis 10. Break-even analysis and leverages. <p>V) Financial Management in Government/PSUs:</p> <ol style="list-style-type: none"> 1. Capital Budgeting 2. Long term financing 3. Working Capital Management 4. Memorandum of Understanding 5. Financial Management & Control <p>VI) Bare Acts:</p> <ol style="list-style-type: none"> 1. Company's Act 1956 (with amendments) 2. Contract Act. 3. Partnership Act 4. Payment of Gratuity Act. 5. Consumer Protection Act. 6. Industrial Dispute Act. 7. Sales Tax Act. 8. Payment of Bonus Act 9. GST

SYLLABUS FOR CHIEF CASHIER (AIIMS44)
Duration of Computer Based Test: 150 Minutes (2½ Hours)
120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p> <p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p> <p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p> <p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	<p>Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Degree in Commerce academic syllabus along with handling cash and accounts work in Government Organisation. The suggestive syllabus is as under :</p> <ul style="list-style-type: none"> • Accounts • Introduction to Accounting Basics • Income Statement • Balance Sheet – Assets • Balance Sheet – Liabilities and Stockholders' Equity • Statement of Cash Flows, Double Entry System, Single Entry System, Sample Transaction. • Bank Reconciliation. • Hire Purchase A/c, Branch A/c, Royalty A/c, Partnership A/c, Consignment A/c, Ratio Analysis. <p>I) Advanced Accounting:</p> <ol style="list-style-type: none"> 1. Company Accounts introduction; shares & debentures etc. 2. Company Accounts; final Accounts 3. Cash and fund flow statements <p>II) Auditing</p> <ol style="list-style-type: none"> 1. Nature, objective and basic principles of auditing 2. Techniques of auditing physical verification, examination of documents and vouching, direct confirmation, analytical review. 3. Planning and audit, audit programmes, working papers, audit process 4. Valuation of internal controls. 5. Various types of Audit. <p>III) Financial Management – an over view:</p> <ol style="list-style-type: none"> 1. Goals of Financial Management. 2. Key activities of Financial Management. 3. Relationship of Finance to Accounting and Audit 4. Organization of Finance Function. <p>IV) Financial Statements:</p> <ol style="list-style-type: none"> 1. Basic concepts underlying accounting. 2. Balance Sheet 3. Profit and Loss Accounts 4. Source and usage of final statements 5. Financial topics related to balances received and profit and loss accounts 6. Analysing financial performance 7. Financial ratios 8. Applications of financial analysis 9. Problems in financial statements and analysis 10. Break-even analysis and leverages. <p>V) Financial Management in Government/PSUs:</p> <ol style="list-style-type: none"> 1. Capital Budgeting 2. Long term financing 3. Working Capital Management 4. Memorandum of Understanding 5. Financial Management & Control <p>VI) Bare Acts:</p> <ol style="list-style-type: none"> 1. Company's Act 1956 (with amendments) 2. Contract Act. 3. Partnership Act 4. Payment of Gratuity Act. 5. Consumer Protection Act. 6. Industrial Dispute Act. 7. Sales Tax Act. 8. Payment of Bonus Act 9. GST

SYLLABUS FOR ASSISTANT ADMINISTRATIVE OFFICER (AIIMS44)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
General Intelligence :	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>
	<p>5) Basic Computers :</p> <ol style="list-style-type: none">General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.Professional Software/Hardware System relevant to the Post.Any other Computer/IT related questions.
	<p>6) Indian Constitution and Indian Administration (Degree Level)</p>

SYLLABUS FOR LEGAL ASSISTANT (AIIMS47)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Theoretical Objective type of screening test to assess the theoretical domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate/Degree syllabus along with Legal Practitioner/firm or as Legal Assistant in Legal Department of a Government Organisation. The suggestive syllabus is as under :</p> <p>Legal related questions</p> <p><i>Constitution of India with special emphasis on Fundamental Rights, Directive Principles and enforcement of rights through writs, Functioning of High Courts and Supreme Court and Attorney General.</i></p> <p><i>Civil Procedure Code and Criminal, Procedure Code. Provisions required to be referred generally in Government Offices will be given importance.</i></p> <p><i>Evidence Act, Limitation Act, Interpretation of Statutes, Drafting and Convincing.</i></p>

SYLLABUS FOR TRANSPORT SUPERVISOR - (AIIMS49)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
5)	<p>Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Theoretical Objective type of screening test to assess the theoretical domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate/Degree syllabus along with experience of managing vehicle in Government Organisation. The suggestive syllabus is as under :</p> <ol style="list-style-type: none"> 1. Knowledge of Government Rules and Regulations. 2. Transportation and Vehicle Maintenance related questions. 3. Knowledge of Government Rules and Regulations. 4. Transportation and Vehicle Maintenance related questions : <ul style="list-style-type: none"> • Internal combustion Engine (IC Engine) • Fuel Injection System with CRDI • Transmission, Final Drive • Suspension System • Wheels Alignment • Wheels and Tyres • Braking System with ABS • MPFI / ECU • Charging and Starting Systems • Overdrive and fluid drive • Car Air-Conditioning System • Engine Cooling • Auto Electrical • Turbocharger, Carburettor and Generators

SYLLABUS FOR ASSISTANT SECURITY OFFICER (AIIMS50)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Theoretical Objective type of screening test to assess the theoretical domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate/Degree syllabus along with experience in Security management in a Hospital/Medical Institution of repute. The suggestive syllabus is as under :</p> <p>Security Management in a Hospital/Medical Institutions related questions.</p> <ul style="list-style-type: none">• Role and Aim of Security Department.• Organisation of security set up.• Designation and Badges of Rank.• Security Cadre Scheme.• Uniform/Dress Regulation applicable for security department• Hospital security• Theft/Pilferage – Preventive steps thereof• Security Arrangements• Duties and Responsibilities of Assistant Security Officer• Surface Fire Fighting Arrangement• Utilization of Techno Gadgets• Security Reports and Returns• Importance of Physical Fitness in Uniformed Forces• Lodging of FIR with Local Police in given situation• Induction of Contractual Security

SYLLABUS FOR PRIVATE SECRETARY (AIIMS51)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>
	<p>5) Basic Computers</p> <ul style="list-style-type: none">a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.b) Professional Software/Hardware System relevant to the Post.c) Any other Computer/IT related questions.

SYLLABUS FOR PERSONAL ASSISTANT (AIIMS52)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>
	<p>5) Basic Computers</p> <ol style="list-style-type: none">General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.Professional Software/Hardware System relevant to the Post.Any other Computer/IT related questions.

SYLLABUS FOR ASSISTANT STORES OFFICER (AIIMS53)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Questions X 04 Marks Per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p> <p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p> <p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and others.</p> <p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any, or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p> <p>5) Basic Computers :</p> <ol style="list-style-type: none"> a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems. b) Professional Software/Hardware System relevant to the Post. c) Any other Computer/IT related questions.

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
PART-II (Compulsory): Post-Specific based on Domain Knowledge/Area/Cadre	
2	<p>Objective type multiple choice questions to assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Graduate and Post Graduate/Diploma in Material Management academic syllabus along with Store handling management. The suggestive syllabus is as under :</p> <p>1. <u>Purchase Management (as per General Financial Rules 2017):</u></p> <ul style="list-style-type: none"> (i) Purchase of Goods and Services (ii) Fundamental Principles of Public Buying (iii) Purchase of Goods without quotation (iv) Purchase of Goods by Purchase Committee (v) Purchase of Goods under Rate Contract (vi) Purchase of Goods by Obtaining Bids <ul style="list-style-type: none"> (a) Advertised Tender Enquiry (b) Limited Tender enquiry (c) Two-Stage Bidding (d) Single Tender Enquiry (e) Electronic Reverse Auction (vii) E-Publishing (viii) E-Procurement (ix) Government E-Market Place (GeM) (x) Registration of Suppliers (xi) Department from bidding (xii) Contents of binding document (xiii) Maintenance Contract (xiv) Bid Security and Performance Security (xv) Efficiency, Economy and Accountability in Public Procurement System (xvi) Buy-Back Offer (xvii) International trade (Imports, Customs, Incoterms) <p>2. <u>Inventory Management:</u></p> <ul style="list-style-type: none"> (i) Types of Inventory (ii) Cost of associates with inventories (iii) Forecasting technics (iv) Inventory Control and Service Level (v) Replenishment of Inventory (vi) Inventory Management System (vii) Materials Requirement Planning (viii) Spare Parts Inventories (ix) Wire House and Inventory Operations Systems (x) Receipt of Goods and materials from private suppliers (xi) Receipt/Issue of goods and materials from internal divisions of the same organization (xii) Customs of goods and materials (xiii) Lists and Accounts (xiv) Procedure of Physical verification and Consumables and Assets (xv) Buffer Stuck (xvi) Disposal of goods and Modes of disposals (xvii) Total Quality Management <p>3. <u>Inventory Management:</u></p> <ul style="list-style-type: none"> (i) Objectives of Logistics (ii) Supply Chain Management (iii) Ware House Management (iv) Material Handling systems (v) Storage Systems <p>4. <u>Packaging and Distribution</u></p> <ul style="list-style-type: none"> (i) Introduction to Packaging (ii) Packaging Material (iii) Forms of Packaging (iv) Bar Codes and FRID Packaging

SYLLABUS FOR SENIOR HINDI OFFICER (AIIMS55)

Duration of Computer Based Test : 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Master's Degree in academic syllabus along with translation work from Hindi to English and vice versa. The suggestive syllabus is as under :</p> <p><u>Paper-II: Descriptive Type Paper (Conventional Type)</u></p> <p>(i) Translation from English to Hindi A Paragraph of appropriate size for translation from English to Hindi</p> <p>(ii) Translation from Hindi to English A Paragraph of appropriate size for translation from Hindi to English</p> <p>ENGLISH LANGUAGE:</p> <p>CORRECTION OF SENTENCES AND FILL IN THE BLANKS, ARTICLES & DETERMINERS, PREPOSITIONS, NOUN, VERBS, ADJECTIVE, TENSES & SEQUENCE OF TENSES, MODALS, VOICE- ACTIVE & PASSIVE, NARRATION- DIRECT & INDIRECT, SYNONYMS & ANTONYMS, PHRASAL VERBS & IDIOMS, ONE WORD SUBSTITUTE, WORDS OFTEN CONFUSED OR MISUSED etc.</p> <p>HINDI LANGUAGE:</p> <p>Translation from English to Hindi : A Paragraph of appropriate size for translation from English to Hindi.</p> <p>Translation from Hindi to English A Paragraph of appropriate size for translation from Hindi to English.</p> <p>Part-II of the Examination will be TRANSLATION SECTION with maximum marks = 240. (English to Hindi Translation 120 Marks & Hindi to English Translation 120 Marks)</p> <p>Evaluation criteria for translation of passages :</p> <p>There will be 4 passages of 250 words each 02 passages in English for translation to Hindi and Similarly another two for translation from Hindi to English. The purpose of translation from one language to another is that the readers who do not know the original language of the text may also be able to read and understand it in their own language. So it is necessary that a translated text be appropriate in terms of the vocabulary or the words used, grammar including tenses and sentence structure, and spelling of the target language.</p> <p>In order to evaluate the translated text the above mentioned components may be looked at with the following division of marks for each passage. The assessment scheme is only indicative and decision of AIIMS, Bhubaneswar will be final.</p> <ul style="list-style-type: none"> • Use of appropriate vocabulary or the words in the target language (20 marks) • Use of correct grammar of the target language Including the tense and sentence structure (20 marks) • Use of appropriate spelling, Punctuation, etc. (20 marks)

SYLLABUS FOR JUNIOR HINDI TRANSLATOR (AIIMS56)

Duration of Computer Based Test: 150 Minutes (2½ Hours)

120 Question X 04 Marks per Question = Total 480 Marks

1 Question carries 04 Marks

Sl.	Suggestive Description of Contents of Test
PART-I (Compulsory): General Intelligence	
1	<p>1) English: Questions in this component will be designed to test the candidate's understanding and knowledge of English language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt words, idioms & phrases, one word substitution, improvement of sentences, active/passive voice of verbs, conversion into direct/indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, comprehension passage and any other English language questions at the level of Matriculation/Higher Secondary.</p>
	<p>2) Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra, Elementary surds, Graphs of Linear Equations, Triangle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Square, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.</p>
	<p>3) General Studies / Current Affairs / G.K : Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current event and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others.</p>
	<p>4) Logical / Verbal Reasoning / Qualitative Aptitude : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualisation, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, Symbolic Operations, Trends, Space Orientation, Space Visualisation, Venn Diagrams, Drawing inferences, Punched hole/pattern - folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & City matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence & Other sub-topics, if any or any other questions as per the pattern of SSC/UPSC/SPSC, etc.</p>

(Contd....P/2)

Sl.	Suggestive Description of Contents of Test
	<p>5) Basic Computers</p> <p>a) General Computer Processing ability in MS-Office like Word Processing, Excel, Powerpoint, etc. & Operating Systems.</p> <p>b) Professional Software/Hardware System relevant to the Post.</p> <p>c) Any other Computer/IT related questions.</p>
2	<p>PART-II (Compulsory) : Post-Specific based on Domain Knowledge Area/Cadre</p> <p>Assess the domain knowledge of the candidate in the relevant area specific to the job at the level of Master's Degree in academic syllabus along with translation work from Hindi to English and vice versa. The suggestive syllabus is as under :</p> <p>Paper-II: Descriptive Type Paper (Conventional Type) :</p> <p>(i) Translation from English to Hindi</p> <p>A Paragraph of appropriate size for translation from English to Hindi</p> <p>(ii) Translation from Hindi to English</p> <p>A Paragraph of appropriate size for translation from Hindi to English</p> <p>ENGLISH LANGUAGE:</p> <p>CORRECTION OF SENTENCES AND FILL IN THE BLANKS, ARTICLES & DETERMINERS, PREPOSITIONS, NOUN, VERBS, ADJECTIVE, TENSES & SEQUENCE OF TENSES, MODALS, VOICE- ACTIVE & PASSIVE, NARRATION- DIRECT & INDIRECT, SYNONYMS & ANTONYMS, PHRASAL VERBS & IDIOMS, ONE WORD SUBSTITUTE, WORDS OFTEN CONFUSED OR MISUSED etc.</p> <p>HINDI LANGUAGE:</p> <p>Translation from English to Hindi</p> <p>A Paragraph of appropriate size for translation from English to Hindi.</p> <p>Translation from Hindi to English</p> <p>A Paragraph of appropriate size for translation from Hindi to English.</p> <p>Part-II of the Examination will be TRANSLATION SECTION with maximum marks = 240. (English to Hindi Translation 120 Marks & Hindi to English Translation 120 Marks)</p> <p>Evaluation criteria for translation of passages :</p> <p>There will be a passage of 250 words in English for translation to Hindi and Similarly another one for translation from Hindi to English. The purpose of translation from one language to another is that the readers who do not know the original language of the text may also be able to read and understand it in their own language. So it is necessary that a translated text be appropriate in terms of the vocabulary or the words used, grammar including tenses and sentence structure, and spelling of the target language.</p> <p>In order to evaluate the translated text the above mentioned components may be looked at with the following division of marks for each passage. The assessment scheme is only indicative and decision of AIIMS, Bhubaneswar will be final.</p> <ul style="list-style-type: none"> • Use of appropriate vocabulary or the words in the target language (20 marks) • Use of correct grammar of the target language Including the tense and sentence structure (20 marks) • Use of appropriate spelling, Punctuation, etc. (20 marks)