

RRB – Para Medical

S.No	Name of Posting	Age Limit	Salary	Educational qualification
1.	NURSING SUPERINTENDENT	20-43	44900	Certificate as Registered Nurse and Midwife having passed 3 years course in General Nursing and Midwifery from a school of Nursing or other institution recognized by the Indian Nursing Council (OR) B.Sc Nursing. Note The Indian Nursing Council has also laid down certain special concessions for the above courses in respect of Auxiliary Nurse Midwives, Midwives and B grade Nurses, by way of reduced course period etc. Candidates obtaining the qualification prescribed above under these concessions will also be eligible for recruitment.
2.	CARDIAC TECHNICIAN	18-36	25500	Higher Secondary (10+2) in Science and certificate course or Diploma in Cardiology Lab Investigations consisting of ECG, Holter and TMT. Candidate trained in Echocardiography is preferable
3.	CLINICAL PSYCHOLOGIST	18-36	35400	Masters Degree in Clinical Psychology / Social Psychology from a recognized University
4.	ECG TECHNICIAN	18-36	25500	10+2 / Graduation in Science having Certificate/Diploma/ Degree in ECG Laboratory Technology / Cardiology / Cardiology Technician / Cardiology Techniques of a reputed institution. Note: Certificate should be a minimum of one year duration and above. "Open and Distance Learning mode of education by the Universities established by an Act of Parliament or State Legislature, Institutions Deemed to be Universities under Section 3 of the University Grants Commission Act, 1956 and Institutions of National Importance declared under an Act of Parliament stand automatically recognized for the purpose of employment to posts and services under the Central Government provided they have been approved by the University Grants Commission"
5.	FIELD WORKER	18-33	19900	12th (10+2 stage) in Science with Biology or Chemistry
6.	HEALTH and MALARIA INSPECTOR GRADE III	18-36 Years	35400	B.Sc. having studied Chemistry as Main / Optional subject in any branch of Chemistry while undertaking the course. Plus (a) One year Diploma of Health / Sanitary Inspector (OR) (b) One year National Trade Certificate

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				(NTC) in Health Sanitary Inspector awarded by National Council for Vocational Training, Ministr
7.	LABORATORY ASSISTANT GRADE II	18-36	21700	12th (10+2 stage) in Science plus (a) Diploma in Medical Laboratory Technology (DMLT) (OR) (b) Certificate Course in Medical Lab. Technology at par with Diploma in Medical Laboratory Technology (DMLT) subject to the fulfilment of (i) The course has been done from the institution which is recognized by a University or Technical Board of State Government/Central Government authority; (ii) The duration of the course is at least 01 year; (iii) During the course the candidate should have done the training on full time basis; a
8.	PERFUSIONIST	21-43	35400	B.Sc with Diploma in Perfusion Technology (OR) B.Sc and Three years experience in Cardio Pulmonary Pump Technician in Reputed Recognised Hospital.
9.	PHYSIOTHERAPIST GRADE II	18-36	35400	Bachelors Degree in Physiotherapy from a recognized University and (ii) Two years practical experience in Physiotherapy from the Government / Private Hospital with atleast one hundred beds.
10	RADIOGRAPHER X-RAY TECHNICIAN	19-36	29200	10+2 with Physics and Chemistry and Diploma in Radiography / X Ray Technician / Radiodiagnosis Technology (2 years course) from recognized Insitute. Science graduates with Diploma in Radiography / X Ray Technician / Radiodiagnosis Technology (2 years course) shall be preferred.
11	PHARMACIST (ENTRY GRADE)	20-38	29200	10+2 in Science or its equivalent, with Diploma in Pharmacy (or) Bachelor degree in Pharmacy (B.Pharma)
12	DIALYSIS TECHNICIAN	20-36	35400	B.Sc., plus (a) Diploma in Haemodialysis (OR) (b) two years satisfactory in-house Training / Experience in Haemodialysis work in a reputed institution (proof to be attached).
13	OPTOMETRIST	18-36	25500	B.Sc in Optometry or Diploma in Ophthalmic Technician (the course should be of 3 to 4 years duration)
14	LABORATORY SUPERINTENDENT	18-36	35400	B.Sc with Bio-Chemistry / Micro Biology / Life science / B.Sc with Chemistry and Biology as main or as optional / subsidiary subjects or equivalent plus Diploma in Medical Lab technology (DMLT) or equivalent (OR) B.Sc in Medical Technology (Laboratory)

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15	DENTAL HYGIENIST	18-36	35400	Degree in Science (Biology) (or) Diploma / Certificate Course (2 years) in Dental Hygiene (or) Two years experience as Dental Hygienist.
16	DIETICIAN (Level 7)	18-36	44900	B Sc (Science Graduate) with Post Graduate Diploma in Dietetics (one year course) from a recognized institution plus 3 months internship training in a hospital. (OR) B.Sc Home Science + M.Sc Home Science (Food and Nutrition)
17	CATH LABORATORY TECHNICIAN	18-36	35400	B.Sc and Diploma from a reputed Cardiac Lab in Cardiac Professional Cath Lab work or two years house training / experience in a reputed Cardiac Cath LABORATORY.
18	OCCUPATIONAL THERAPIST	18-36	35400	10+2 with Science and Diploma / Degree in Occupational Therapy
19	AUDIOLOGIST AND SPEECH THERAPIST	21-33	35400	Bachelor in Audiology, Speech Language Pathology (BASLP)
20	SPEECH THERAPIST	18-36	29200	B.Sc and Diploma in Audio and Speech Therapy (ii) 2 years experience in the related field.

2 Stages of Examination:

- Stage I - CBT – Computer Based Examination
- Stage II - Document Verification

each wrong answer @ 1/3 of the marks allotted for each question				
Mode	Subject	No of Question	Maximum Marks	Duration
Objective type /Multiple Choice	Professional ability	70	70	90 minutes
	General Awareness	10	10	
	General Arithmetic, General Intelligence and reasoning	10	10	
	General science	10	10	
Total			100	

Syllabus

1) Audiologist & Speech Therapist

Speech and Language development & disorders, Basic Anatomy & Physiology related to Speech & Hearing, Diagnostic & Rehabilitation Audiology, Psychology related to Speech & Hearing, Basic Acoustic, Pathology of Hearing and Hearing System, Phonetics + Phonology electives, Speech Language diagnostics and therapeutics, Paediatric Audiology, Management of the Hearing Impaired, Voice & Laryngectomy, Hearing Conservation, Aural Rehabilitation & Its Instrumentation.

2) Cardiac Technician

General Anatomy & Physiology (Cytology, Histology, Osteology and basics of all organ systems of body), basics of relevant Pathology, Pharmacology & Microbiology, Basic Physics related to cardiology, Detailed Cardiovascular system's Anatomy & Physiology (Heart & Blood vessels), Basics of Vital monitoring, ECG, TMT, Echo- Cardiography, Hand hygiene & prevention of cross infection, Basic Life Support (BLS) & Cardiopulmonary resuscitation (C

3) Clinical Psychologist

(i) PSYCHOCIAL PERSPECTIVES OF MENTAL DISORDERS:-Clinical Psychology & Mental Health, Models of Mental Disorders, Family influences, Social Pathology, Psychopathology of specific conditions, Disability, Rehabilitation(ii)COUNSELING AND THERAPY:- Psychotherapy and Counseling, Interviewing, Behavior Modification and Therapy, Cognitive Therapies, Crisis Intervention, Family Counseling/Therapy, Therapy with children and special conditions(iii)PSYCHIATRY:- Nomenclature, Psychoses, Neurotic, Stress-related and Somatoform disorders, Disorders of personality and behavior, Organic mental disorders, Behavioral, emotional and developmental disorders of childhood and adolescence, Mental health policies and legislation

4) Dietician (Level 7)

Introduction to Human Biology and Body Functions, Nutrients (Role and Significance), Understanding Nutrition (Basic diets for normal conditions/RDA) , Advanced Nutrition, Introduction to Nutraceuticals, Introduction to Special Conditions and Diet Therapy, Introduction to Clinical Nutrition, Food Microbiology, Recommend Approaches to Disease and Nutrition, Nutritional Biochemistry, Research Method Statistics, Medical Nutrition management, Path Physiology and Metabolism in Disease, Public Nutrition and Health, Pediatric and Geriatric Nutrition, Food Allergies and Diet Management

5) Nursing Superintendent

Anatomy, Physiology, Nutrition, Biochemistry, Nursing Foundations, Psychology, Microbiology, Sociology, Pharmacology, Pathology, Genetics, Medical-Surgical Nursing , (Adult including Geriatrics)-I, Community Health Nursing, Child Health Nursing, Mental Health Nursing, Midwifery and Obstetrical Nursing, Nursing Research & Statistics, Management of Nursing Services and Education

6) Dental Hygienist

Dental Hygiene AND Oral Prophylaxis, Community Health Dentistry, Operative Room Technique and Chir Side Assistance, Dental Ethics and Jurisprudence, Dental Materials, Anatomy (General & Dental), Physiology (General & Oral), Pharmacology (General & Dental), Pathology & Bacteriology (General & Dental), Dental Radiology

7) Dialysis Technician

Anatomy, Biochemistry & Pharmacology, Physiology, Introduction to Kidney diseases, Principles and practice of Dialysis

8) Health & Malaria Inspector Gr III

Food & Nutrition, Environmental Sanitation and Sanitary Engineering, Communicable and Non-Communicable Diseases (Prevention and Control), Health and Death Statistics

9) Laboratory Superintendent

Sociology & Psychology, PHYSIOLOGY, Basic Chemistry and Biochemistry, General Methodology, PHYSICS, Histopathology and cytology techniques, Clinical pathology & basic haematology, PARASITOLOGY & ENTOMOLOGY, Clinical biochemistry, Coagulation & transfusion medicine, Immunohaematology, VIROLOGY, MYCOLOGY, ADVANCED SEROLOGY

10) Optometrist

Physical and Geometrical Optics, General Anatomy and General Physiology, Ocular Anatomy and Ocular Physiology, Basic Biochemistry, Nutrition, Principles of Lighting, Hospital Procedures, Optometric Optics, Ocular Diseases, Visual Optics, Pharmacology, Pathology and Microbiology, Optometric Instruments, Clinical Examination of Visual System, Clinical Psychology, Clinics, Binocular vision, Glaucoma, Low Vision Aids, Dispensing Optics, Pediatric Optometry and Geriatric Optometry, Contact Lens , Law & Optometry and Occupational Optometry, Systemic Diseases , Epidemiology and Bio Statistics, Public Health and Community Optometry

11) Perfusionist

Basics of Anatomy, Basics of Physiology, Basics of Biochemistry, Basics of Bio-statistics, Basics of Pathology, Basics of Blood Banking, Basics of Microbiology, Basics of Central Sterilization Services, Hospital Awareness, Familiarization of different tables/tubes in surgical department, Surgical Awareness, preparation of patient for surgery, Patient related services, Anatomy, Physiology, Basics of Diagnostic techniques, Angiography, Oxygenators, Theory of Blood Pump, Gross Anatomy and Structural Features of Heart, Oxygenation, Monitoring, Instrumentation and measurements, Patho Physiology and Pharmacology & Perfusion Techniques, Adequacy of Perfusion, Applied Perfusion Technology, Introduction to Perfusion Technology, Perfusion Equipments, Biomedical Electronics, Perfusion problems during radio pulmonary bypass, Cardio Pulmonary By-Pass, Clinical Application of Bypass Techniques, Occupational Aspects of Perfusion, Postoperative.

12) Physiotherapist Grade – II

Psychology & Sociology, Anatomy, Physiology, Applied Physiology, Basic and Applied Physics for Physiotherapy, Basic Nursing & First Aid, Orientation to Physiotherapy, General Medicine/General Surgery/Paediatrics/ Geriatrics, Bio-mechanics, Applied Anatomy & Kinesiology, Exercise Therapy, Microbiology and Pathology, Electrotherapy(low & medium frequency), Electrotherapy (high freq & Actinotherapy), Community Medicine, Clinical Orthopaedics, Clinical Cardio-Respiratory Diseases, Bio Statistics & Research Methodology, Physical Modalities Maintenance, PT in Orthopaedics, PT in Neurology, Pt in Cardio Respiratory Conditions, Rehabilitation Medicine, Advanced Physiotherapeutics, Physical Education

13) Pharmacist (Entry Grade)

Human Anatomy and Physiology, Pharmaceutical Analysis, Pharmaceutics, Pharmaceutical Inorganic Chemistry, Remedial Biology/Remedial Mathematics, Pharmaceutical Organic Chemistry, Biochemistry, Pathophysiology, Computer Applications in Pharmacy, Environmental sciences, Physical Pharmaceutics, Pharmaceutical Microbiology, Pharmaceutical Engineering, Medicinal Chemistry, Pharmacology, Pharmacognosy and Phytochemistry, Industrial Pharmacy, Pharmaceutical Jurisprudence, Herbal Drug Technology, Biopharmaceutics and Pharmacokinetics, Pharmaceutical Biotechnology, Quality Assurance, Instrumental Methods of Analysis, Pharmacy Practice, Novel Drug Delivery System, Biostatistics and Research Methodology, Social and Preventive Pharmacy, Pharma Marketing Management, Pharmaceutical Regulatory Science, Pharmacovigilance, Quality Control and Standardization of Herbals, Computer Aided Drug Design, Cell and Molecular Biology, Cosmetic Science, Experimental Pharmacology, Advanced Instrumentation Techniques, Dietary Supplements and Nutraceuticals

14) Radiographer X-Ray Technician

Human Anatomy & Physiology, Radiology Physics, General Physics, Radiation Physics & Physics of Diagnostic Radiology, X-Ray Machines & Accessories, Maintenance, X-ray Film / Image processing Techniques (Dark Room Techniques), Clinical Radiography-Positioning, Medical Ethics and patient care, Principles of Medical Emergencies, Equipments, Techniques of modern Imaging Modalities, Contrast & Special Radiography procedures, Quality Control at Radiology & Radiation Safety

15) Speech Therapist

Sound and Hearing, Anatomy and Physiology of ear, Hearing loss, Evaluation of hearing, Early identification and prevention, Speech & Language Pathology, Anatomy and physiology of speech mechanism, Disorders of speech and language, Assessment of speech disorders, Assessment of language disorders, Hearing aids and earmolds, Auditory learning, Speech reading, Education of children with hearing impairment, Rehabilitation, Disability issues, Management of speech disorders, Management of language disorders, Educational issues, General issues in management

16) Laboratory Assistant Grade II

Anatomy, Physiology, Biochemistry, Fundamentals of Medical laboratory Technology, Microbiology, Clinical biochemistry, Pathology & Histopathology, Haematology and Blood and bank

18) Field Worker

Physiology of Conception, Contraception–various methods, National Immunization Schedule, Nutrition, Antenatal and Postnatal Care, Target groups for Family Planning, Incentives for accepting small family norm– Special, Personal Hygiene, Communicable and Non-Communicable Diseases, HIV/AIDS, Vital Statistics–Birth Rate, Death Rate, etc., Organizational Chart for Family Welfare Branch and the Medical Department, Record Keeping–Maintenance of Various records viz. registers, Health cards, Reports

19) Occupational Therapist

FUNDAMENTALS OF Occupational Therapy: Human Anatomy, Musculoskeletal system, Human Physiology related to CNS / Respiratory System. Cardiovascular System / Neuromuscular function, Physiology of exercise & Acclimatization, Occupational Therapy, Human development and its Activities of daily living Occupational therapy as Diagnostic & prognostic procedure, Steps involved in preparing the client for return to work / Prevocational evaluation/ Evaluation of work capacity, Evaluation of physical capacity/ Evaluation of functional capacity, Different types of tools & equipment & their uses in Occupational Therapy, General principles of splinting, describe material.

20) Cath Laboratory Technician

Cardiac Catheterization, Equipment and Technology, Catheterization Procedures, Patient Preparation and Care, Safety and Infection Control, Clinical Skills and Practice, Professional and Ethical Issues.

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