

# **RRB Paramedical Syllabus**

## **RRB Paramedical Syllabus Subject Wise**

<b>Section</b>	<b>Topics Covered</b>
General Awareness	Current Affairs, Indian Geography, Indian Polity & Constitution, Indian Economy, Indian History, General Science (Physics, Chemistry, Biology), Environmental Issues, Sports, Culture
Arithmetic	Number System, Simplification, Decimals and Fractions, HCF and LCM, Ratio and Proportion, Percentages, Simple and Compound Interest, Profit and Loss, Time and Work, Time and Distance, Average, Mensuration, Data Interpretation
General Intelligence & Reasoning	Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical Operations, Relationships, Syllogism, Jumbling, Venn Diagrams, Data Interpretation and Sufficiency, Conclusions and Decision-Making, Similarities and Differences
General Science	Physics, Chemistry, Life Sciences (up to 10th Standard CBSE syllabus)

# **RRB Paramedical Syllabus for Professional Knowledge**

<b>Posts</b>	<b>Syllabus</b>
Dietician	Introduction to Human Biology and Body Functions, Nutrients, Understanding Nutrition, Advanced Nutrition, Introduction to Nutraceuticals, Special Conditions and Diet Therapy, Disease and Nutrition, Nutritional Biochemistry, Research Methods, Medical Nutrition Management, Clinical Nutrition, Food Microbiology, Pathophysiology and Metabolism in Disease, Public Nutrition, Pediatric and Geriatric Nutrition, Food Allergies and Diet Management
Staff Nurse	Anatomy, Physiology, Nutrition, Biochemistry, Nursing Foundations, Psychology, Microbiology, Sociology, Pharmacology, Pathology, Genetics, Medical-Surgical Nursing, Community Health Nursing, Child Health Nursing, Mental Health Nursing, Midwifery and Obstetrical Nursing, Nursing Research & Statistics, Management of Nursing Services and Education
Dental Hygienist	Dental Hygiene and Oral Prophylaxis, Community Health Dentistry, Operative Room Techniques, Dental Materials, Dental Ethics and Jurisprudence, Anatomy, Physiology, Pharmacology, Pathology & Bacteriology, Dental Radiology
Dialysis Technician	Anatomy, Biochemistry & Pharmacology, Physiology, Kidney Diseases, Principles and Practice of Dialysis
Extension Educator	Social Sciences, Sociology, Social Research Methods, Sociological Thought, Social Stratification, Environment and Society, Modern Sociological Theories, Perspectives on Indian Society, Culture and Personality, Industry and Society, Crime and Society, Gerontology, Sociology of Development, Tribal Society in India
Health and Malaria Inspector Grade III	Food & Nutrition, Environmental Sanitation, Sanitary Engineering, Communicable and Non-Communicable Diseases, Health and Death Statistics

<p>Lab Superintendent Grade III</p>	<p>Sociology &amp; Psychology, Physiology, Chemistry and Biochemistry, General Methodology, Physics, Histopathology, Clinical Pathology, Parasitology, Clinical Biochemistry, Immunohaematology, Virology, Mycology, Serology</p>
<p>Optometrist</p>	<p>Physical and Geometrical Optics, General &amp; Ocular Anatomy, Ocular Physiology, Biochemistry, Nutrition, Lighting Principles, Hospital Procedures, Optometric Optics, Ocular Diseases, Pharmacology, Visual Optics, Pathology, Clinical Visual System Examination, Optometric Instruments, Clinical Psychology, Binocular Vision, Glaucoma, Low Vision Aids, Pediatric &amp; Geriatric Optometry, Contact Lens, Occupational Optometry, Epidemiology, Public Health Optometry</p>
<p>Perfusionist</p>	<p>Anatomy, Physiology, Biochemistry, Instrumentation, Pathophysiology, Pharmacology, Perfusion Techniques, Perfusion Adequacy, Biostatistics, Diagnostic Techniques, Angiography, Pathology, Blood Banking, Surgical Awareness, Patient Preparation, Microbiology, Sterilization, ICU Management, Monitoring, Biomedical Electronics, Perfusion Equipment, Cardiopulmonary Bypass</p>
<p>Physiotherapist</p>	<p>Psychology &amp; Sociology, Anatomy, Physiology, Applied Physiology, Physics for Physiotherapy, Nursing &amp; First Aid, Biomechanics, General Medicine/Surgery/Pediatrics, Kinesiology, Exercise Therapy, Microbiology, Electrotherapy, Community Medicine, Orthopedics, Cardio-Respiratory Diseases, Rehabilitation Medicine, Advanced Physiotherapy, Physical Education</p>
<p>Pharmacist Grade III</p>	<p>Human Anatomy and Physiology, Pharmaceutical Analysis, Pharmaceutics, Inorganic Chemistry, Remedial Biology/Mathematics, Organic Chemistry, Biochemistry, Pathophysiology, Computer Applications, Environmental Sciences, Microbiology, Medicinal Chemistry, Pharmacology, Pharmacognosy, Industrial Pharmacy, Pharmaceutical Jurisprudence, Herbal Drug Technology, Biopharmaceutics, Quality Assurance, Pharma Marketing, Pharmacovigilance, Regulatory Science, Novel Drug Delivery Systems, Cosmetics, Experimental Pharmacology</p>

Radiographer	Human Anatomy & Physiology, Radiology Physics, General Physics, X-ray Machines, Image Processing, Clinical Radiography, Medical Ethics, Modern Imaging, Radiography Procedures, Radiation Safety, Emergency Procedures
Speech Therapist	Sound and Hearing, Ear Anatomy, Hearing Loss, Evaluation, Speech & Language Pathology, Disorders, Assessment, Hearing Aids, Speech Reading, Education for Hearing Impaired, Rehabilitation, Disability Issues, Management of Speech & Language Disorders, Educational Issues
ECG Technician	Anatomy, Physiology, Biochemistry, Pharmacology, Cardiovascular Diseases, Basic & Advanced Cardiovascular Investigations
Lady Health Visitor	Community Health Nursing, Health Promotion, Primary Health Care, Midwifery, Child Health Care Nursing, Health Center Management
Lab Assistant Grade III	Anatomy, Physiology, Biochemistry, Medical Lab Technology, Microbiology, Clinical Biochemistry, Pathology, Histopathology, Hematology, Blood Bank