

RRB Paramedical Syllabus 2025

The subject-wise RRB Paramedical Syllabus 2025 has been discussed below, therefore, the candidates who are planning to appear for the exam must prepare as per the syllabus. Go through RRB Paramedical Syllabus for General Awareness, Arithmetic, General Intelligence & Reasoning, and Professional Knowledge.

RRB Paramedical Syllabus for General Awareness

- Current Affairs
- Indian Geography
- Indian Polity & Constitution
- Indian Economy
- Indian History
- General Science (Physics, Chemistry, Biology)
- Environmental Issues
- Sports
- Culture

RRB Paramedical Syllabus for 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

RRB Paramedical Syllabus for 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

RRB Paramedical Syllabus for General Science

- Physics
- Chemistry
- Life Sciences (up to 10th Standard CBSE syllabus)

RRB Paramedical Syllabus for Professional Knowledge

Depending on the specific paramedical post you are applying for the technical posts will vary. Below is the syllabus for some of the posts released under RRB Paramedical Recruitment 2025.

Posts	Syllabus
Dietician	<ul style="list-style-type: none"> • Introduction to Human Biology and Body Functions • Nutrients (Role and Significance)

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| | <ul style="list-style-type: none">• Understanding Nutrition (Basic diets for normal conditions/ RDA)• Advanced Nutrition• Introduction to Nutraceuticals• Introduction to Special Conditions and Diet Therapy• Recommend Approaches to Disease and Nutrition• Nutritional Biochemistry• Research Method Statistics• Medical Nutrition management• Introduction to Clinical Nutrition• Food Microbiology• Path Physiology and Metabolism in Disease• Public Nutrition and Health• Pediatric and Geriatric Nutrition |
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	<ul style="list-style-type: none"> • Food Allergies and Diet Management
Staff Nurse	<ul style="list-style-type: none"> • 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

	<ul style="list-style-type: none"> • Midwifery and Obstetrical Nursing • Nursing Research & Statistics • Management of Nursing Services and Education
Dental Hygienist	<ul style="list-style-type: none"> • Dental Hygiene AND Oral Prophylaxis • Community Health Dentistry • Operative Room Technique, and Chir Side Assistance • Dental Materials • Dental Ethics and Jurisprudence • Anatomy (General & Dental) • Physiology (General & Oral) • Pharmacology (General & Dental) • Pathology & Bacteriology (General & Dental)

	<ul style="list-style-type: none"> • Dental Radiology
Dialysis Technician	<ul style="list-style-type: none"> • Anatomy • Biochemistry & Pharmacology • Physiology • Introduction to Kidney diseases • Principles and practice of Dialysis
Extension Educator	<ul style="list-style-type: none"> • Methodology and Perspectives of Social Sciences • The Essence of Sociology • Social Research Methods • Foundations of Sociological Thought • Social stratification • Environment and Society • Modern Sociological Theories • Perspectives on Indian Society • Culture and Personality

	<ul style="list-style-type: none"> • Industry and Society • Crime and Society • Open course • Gerontology • Sociology of Development • Tribal Society in India
Health And Malaria Inspector Grade III	<ul style="list-style-type: none"> • Food & Nutrition • Environmental Sanitation and Sanitary Engineering • Communicable and Non-Communicable Diseases (Prevention and Control) • Health and Death Statistics
Lab Superintendent Grade III	<ul style="list-style-type: none"> • Sociology & Psychology • PHYSIOLOGY • Basic Chemistry and Biochemistry • General Methodology

	<ul style="list-style-type: none"> • Physics • Histopathology and cytology techniques • Clinical pathology & basic hematology • Parasitology & Entomology • Clinical biochemistry • Coagulation & transfusion medicine Immunohaematology • Virology • Mycology • Advanced Serology
Optometrist	<ul style="list-style-type: none"> • Physical and Geometrical Optics • General Anatomy and General Physiology • Ocular Anatomy and Ocular Physiology • Basic Biochemistry

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| | <ul style="list-style-type: none">• Nutrition• Principles of Lighting• Hospital Procedures• Optometric Optics• Ocular Diseases• Pharmacology• Visual Optics• Pathology and Microbiology• Clinical Examination of Visual System• Optometric Instruments• Clinical Psychology• Clinics• Binocular vision• Glaucoma• Low Vision Aids• Dispensing Optics |
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	<ul style="list-style-type: none"> • Pediatric Optometry and Geriatric Optometry • Contact Lens • Law & Optometry and Occupational Optometry • Systemic Diseases • Epidemiology and Bio-Statistics • Public Health and Community Optometry
Perfusionist	<ul style="list-style-type: none"> • Basics of Anatomy, Basics of Physiology • And Biochemistry Basics • Instrumentation and measurements • Patho Physiology and Pharmacology & Perfusion Techniques • Adequacy of Perfusion • Applied Perfusion Technology

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| | <ul style="list-style-type: none">• Basics of Bio-statistics• Physiology• Basics of Diagnostic techniques• Angiography• Basics of Pathology• Basics of Blood Banking• Familiarization of different tables/ tubes in the surgical department• Surgical Awareness• Preparation of patient for surgery• Basics of Microbiology• Basics of Central Sterilization Services• Hospital Awareness• Patient-related services• Anatomy• Oxygenators |
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| | <ul style="list-style-type: none">• Theory of Blood Pump• Gross Anatomy and Structural Features of Heart• Oxygenation• Introduction to Perfusion Technology• Monitoring• Perfusion Equipment• Biomedical Electronics• Perfusion problems during radio pulmonary bypass• Cardio Pulmonary By-Pass• Clinical Application of Bypass Techniques• Occupational Aspects of Perfusion• Postoperative Intensive Care Unit Management• Instrumentation Study |
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	<ul style="list-style-type: none"> • Instrument Measurement & Critical Care equipment
Physiotherapist	<ul style="list-style-type: none"> • Psychology & Sociology • Anatomy • Physiology • Applied Physiology • Basic and Applied Physics for Physiotherapy • Basic Nursing & First Aid • Orientation to Physiotherapy • Biomechanics • General Medicine/ General Surgery/ Paediatrics/ Geriatrics • Applied Anatomy & Kinesiology • Exercise Therapy • Microbiology and Pathology • Electrotherapy (low & medium frequency)

	<ul style="list-style-type: none"> • Electrotherapy (high freq & Actinotherapy) • Community Medicine • Clinical Orthopaedics • Bio-Statistics & Research Methodology • Clinical Cardio-Respiratory Diseases • Physical Modalities Maintenance • PT in Orthopaedics, PT in Neurology and Pt in Cardio-Respiratory Conditions • Rehabilitation Medicine • Advanced Physiotherapeutics • Physical Education
Pharmacist Grade III	<ul style="list-style-type: none"> • Human Anatomy and Physiology • Pharmaceutical Analysis

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| | <ul style="list-style-type: none">• 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 |
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	<ul style="list-style-type: none">• 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
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	<ul style="list-style-type: none"> • 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
Radiographer	<ul style="list-style-type: none"> • Human Anatomy & Physiology • Radiology Physics • General Physics • Radiation Physics & Physics of Diagnostic Radiology • X-Ray Machines & Accessories • Maintenance

	<ul style="list-style-type: none"> • 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
Speech Therapist	<ul style="list-style-type: none"> • Sound and Hearing • Anatomy and Physiology of ear • Hearing loss • Evaluation of hearing

	<ul style="list-style-type: none">• 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• Speechreading• Education of children with hearing impairment• Rehabilitation• Disability issues• Management of speech disorders
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	<ul style="list-style-type: none"> • Management of language disorders • Educational issues • General issues in management
ECG Technician	<ul style="list-style-type: none"> • Anatomy • Physiology • Biochemistry • Pharmacology • Introduction to Cardiovascular Diseases • Advanced Cardiovascular Investigations • Basic Cardiovascular Investigations
Lady Health Visitor	<ul style="list-style-type: none"> • Community Health Nursing • Health Promotion • Primary Health Care • Midwifery

	<ul style="list-style-type: none"> • Child Health Care Nursing • Health Center Management
Lab Assistant Grade III	<ul style="list-style-type: none"> • Anatomy • Physiology • Biochemistry • Fundamentals of Medical Laboratory Technology • Microbiology • Clinical biochemistry • Pathology & Histopathology • Haematology and Blood and bank