



Subjects/Sections
Duration

Number of Questions

Time

Part A

Mathematics, General Intelligence
& Reasoning,
and Basic Science and Engineering 100
90 Minutes

Part B

Trade Test/Professional Knowledge 75
60 minutes

Total 175 Questions



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RRB ALP Exam Syllabus for CBT 1

Subjects/Sections Time Duration	Number of Questions	Number of Mark
General Intelligence & Reasoning	25	25
Mathematics	20	20
General Awareness Minutes	10	10
General Science	20	20
-----		60
Total	75	75

General Awareness

1. Science and Technology
2. Award & Honors
3. Art & Culture
4. Polity
5. Economy
6. Sports
7. Static GK

General Intelligence & Reasoning

1. Analogies
2. Classification
3. Coding-Decoding



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4. Series
5. Mathematical Operations
6. Direction Sense
7. Syllogism
8. Venn Diagram
9. Blood Relation
10. Data Interpretation and Sufficiency
11. Similarities and Differences
12. Arguments and Assumptions
13. Figure Completion
14. Counting of Figures
15. Non-Verbal Reasoning

Mathematics

1. Number System
2. Simplification (BODMAS)
3. LCM-HCF
4. Decimals & Fractions
5. Ratio and Proportion
6. Percentage
7. Profit and Loss
8. Simple and Compound Interest
9. Time and Work
10. Pipe and Cistern
11. Time and Distance
12. Mixture and Allegation
13. Mensuration
14. Trigonometry
15. Height and Distance
16. Statistics
17. Data Interpretation
18. Algebra

General Science

1. Physics
2. Chemistry
3. Biology
4. Life Science



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RRB ALP Exam Syllabus for CBT 2

Electrical Engineering

1. Electrical India
2. Rolls, cables
3. Fundamental Electric System
4. Switches, Plugs and Electrical Connections
5. Single phase motors
6. Transfers
7. Three-Phase Motor Systems
8. Light, Magnetism

Mechanical Engineering

1. Turbo Machinery
2. Production Engineering
3. Automation Engineering
4. Energy, Materials
5. Energy Conservation
6. Management
7. Applied Mechanics
8. Kinetic Theory
9. The Strength Of The Material
10. Metal Handling
11. Metallurgical
12. Dimensions
13. Heat
14. Engines
15. Refrigerators And Air Conditioned

Electronics Engineering

1. Networking and Industrial Electronics
2. Electronic Tube
3. The Transistor



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4. Dias
5. Digital Electronics
6. Satellite Matters
7. Computer & Micro Processor
8. Semi-Conductor Physics
9. Robotic Radio Communication Systems

Automobile Engineering

1. System Theory
2. The Power Plant Turbines and Boilers
3. Metallurgical Production Technology
4. IC Engines
5. Heat Transfers
6. Machine Design
7. Thermodynamics
8. Materials Applying Motion

HSC (10+2) with Physics and Maths

1. Electrician
2. Electronics Mechanic
3. Wireman



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