



Subjects	No. of Questions	Marks	Duration
Mathematics	20	20	60 minutes
General Intelligence & Reasoning	25	25	
General Science	20	20	
General Awareness and Current Affairs	10	10	
Total	75	75	

Subjects	Topics
General Awareness	Art & Culture
	Polity
	Economy
	Science and Technology
	Award & Honors
	Sports
General Intelligence & Reasoning	Static GK
	Analogies
	Classification
	Direction Sense
	Syllogism
	Venn Diagram
	Blood Relation
	Arguments and Assumptions
	Figure Completion
	Data Interpretation and Sufficiency
	Similarities and Differences
	Counting of Figures
	Non-Verbal Reasoning
	Coding-Decoding
	Series
	Mathematical Operations
	Mathematics
Percentage	
Simple and Compound Interest	
Profit and Loss	
Decimals & Fractions	
Ratio and Proportion	
Time and Work	
Pipe and Cistern	
Number System	
Time and Distance	
Mixture and Allegation	
LCM-HCF	
Mensuration	
Trigonometry	
Height and Distance	
Statistics	
Data Interpretation	
Algebra	
General Science	Physics
	Biology
	Chemistry
	Life Science



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Physics

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Language: **Bilingual**
Number of Pages: **201**

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Chemistry

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THEORY

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History

[इतिहास]

THEORY

Ancient	54 Pages
Medieval	53 Pages
Modern	93 Pages

Language: **Hindi**
Number of Pages: **200**

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Indian Polity

[भारतीय राजव्यवस्था]

THEORY

Language: **Hindi**
Number of Pages: **102**

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CBT-2: Pattern & Syllabus

Papers	Subjects	No. of Questions	Marks	Duration
Paper 1	Mathematics	100	100	90 minutes
	General Intelligence & Reasoning			
	Basic Science and Engineering			
Total				
Paper 2	Relevant Trade	75	75	60 minutes
Overall Total		175	175	150 minutes

Subject	Syllabus
Electrical Engineering	Electrical India
	Rolls, cables
	Fundamental Electric System
	Switches, Plugs and Electrical Connections
	Single phase motors
	Transfers
	Three-Phase Motor Systems
	Light, Magnetism
Mechanical Engineering	Turbo Machinery
	Production Engineering
	Automation Engineering
	Energy, Materials
	Energy Conservation
	Management
	Applied Mechanics
	Kinetic Theory
	The Strength Of The Material
	Metal Handling
	Metallurgical
	Dimensions
	Heat
	Engines
Refrigerators And Air Conditioned	
Electronics Engineering	Networking and Industrial Electronics
	Electronic Tube
	The Transistor
	Dias
	Digital Electronics
	Satellite Matters
	Computer & Micro Processor
	Semi-Conductor Physics
Robotic Radio Communication Systems	
Automobile Engineering	System Theory
	The Power Plant Turbines and Boilers
	Metallurgical Production Technology
	IC Engines
	Heat Transfers
	Machine Design
	Thermodynamics
	Materials Applying Motion
HSC (10+2) with Physics and Maths	Electrician
	Electronics Mechanic
	Wireman

(CBAT) Computer-Based Aptitude Test: Pattern & Syllabus

Candidates applying for the Assistant Loco Pilot (ALP) position must take the Computer-Based Aptitude Test (CBAT) or Psycho Test. To qualify, they need to score a minimum of 42 marks in each test battery.

Only candidates who pass the Aptitude Test will be included in the merit list. The final merit score is determined by giving 70% weightage to marks obtained in Paper-1 of the Computer-Based Test (CBT) II and 30% weightage to marks secured in the CBAT.

Note:

Mode of Exam	Marking Scheme	Negative Marking	Selection Process
Online	1 mark for 1 question	1/3rd marks for each wrong answer	1. CBT 1 (75 Questions for 75 Marks) 2. CBT 2 (175 Questions for 175 Marks) 3. CBAT

Organisation	Railway Recruitment Board (RRB)
Posts	Assistant Loco Pilots (ALPs)
Category	Syllabus & Exam Pattern
Mode of Exam	Online
No. of Questions	CBT 1 - 75
	CBT 2 - 175
	CBAT
Negative Marking	1/3rd mark
Selection Process	CBT 1, CBT 2, CBAT

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