

# OPTIMUM SUCCESS

267, Ambedkar Nagar, Agra Road, Etah. Mobile No. 7520675992, 9457618043, 05742-239718

## Syllabus For Railways ( ALP/Technician Post )

### First Stage CBT (Common for ALP/Technician)

Duration: 60 Min,

No of Questions: 75

Minimum percentage of marks for eligibility in various categories : UR -40%, OBC-30%, SC-30%, ST -25%. These percentage of marks for eligibility may be relaxed by 2% for PWD candidates in case of shortage of PWD candidates against vacancies reserved for them.

The Questions will be of objective type with multiple choices and are likely to include questions pertaining to:

#### a. Mathematics

Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.

#### b. General Intelligence and Reasoning

Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and Decision Making, Similarities and Differences, Analytical reasoning, Classification, Directions, Statement – Arguments and Assumptions etc.

#### c. General Science

The syllabus under this shall cover Physics, Chemistry and Life Sciences of 10th standard level.

d. **General awareness on current affairs** in Science & Technology, Sports, Culture, Personalities, Economics, Politics and other subjects of importance.

### Second Stage CBT

Short listing of Candidates for the Second Stage CBT exam shall be based on the normalized marks obtained by them in the First Stage CBT Exam.

Total number of candidates to be shortlisted for second stage shall be 15 times the community wise total vacancy of ALP and Technician Posts notified against the RRB as per their merit in First Stage CBT. However, Railways reserve the right to increase/decrease this limit in total or for any specific trade(s) as required to ensure availability of adequate candidates for all the notified posts.

**Total Duration:** 2 hours and 30 Minutes (for Part A and Part B together)

The Second Stage CBT shall have two parts viz Part A and Part B as detailed below.

#### PART A

Duration: 90 Min,

No of Questions: 100

Minimum percentage of marks for eligibility in various categories: UR -40%, OBC-30%, SC-30%, ST -25%. These percentage of marks for eligibility may be relaxed by 2% for PWD candidates in case of shortage of PWD candidates against vacancies reserved for them.

The syllabus for Part A shall be as below

a. **Mathematics** Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.

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## **b. General Intelligence and Reasoning**

Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and decision making, Similarities and differences, Analytical reasoning, Classification, Directions, Statement – Arguments and Assumptions etc.

## **c. Basic Science and Engineering**

The broad topics that are covered under this shall be Engineering Drawing (Projections, Views, Drawing Instruments, Lines, Geometric figures, Symbolic Representation), Units, Measurements, Mass Weight and Density, Work Power and Energy, Speed and Velocity, Heat and Temperature, Basic Electricity, Levers and Simple Machines, Occupational Safety and Health, Environment Education, IT Literacy etc.

**d. General Awareness on Current Affairs** in Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance.

## **PART B**

**Duration: 60 Min,**

**No of Questions: 75**

**Qualifying Mark: 35 %** (This is applicable to all candidates and no relaxation is permissible)

