

Various Jobs in Railways: Preparation Guidance

Indian Railways occupy 4th largest place in the world. It is the largest public sector under taking of the country. Indian Railways have 17 Railway zones. Jobs in Railway can be divided in to four groups. They are Group-A, Group-B, Group-C, Group-D

Group-D: Under this category, three types of Jobs are there.

Name of the posts: Trackman, Points man, sapaiwala etc.

Qualification: 10th class

Recruitment agency: RRC (Railway Recruitment Cell)

Mode of Selection: There are two stages in mode of selection. The first step is Written Examination and second Physical efficiency Test (PET)

Written Examination: Maximum marks in this examination 100-150. There are 100 to 150 Questions and each question carries one mark. And each wrong answer attracts 0.33 negative mark i.e., for every 3 wrong Answers 1 mark is deducted from your correct answers.

Syllabus is divided in to three parts. They are,

- a) General awareness (40)
- b) Numerical ability (30 marks)
- c) General Intelligences & Reasoning (30 marks)

General awareness: It carries 40 marks. The questions appeared in this section are from Indian History, Indian and World Geography, Polity, General Science and Current Affairs.

Indian History: Concentrate of ancient India, medieval India & National Movement. Most of the questions are asked from these topics only.

Previous Questions:

1. Where was dockyard located in Harappa civilization?

- a) Lothal b) Mohenjodaru c) Banwal d) none

2. Name the oldest Veda?

- a) Rig-Veda b) Samaveda c) Atharvaveda d) none

Polity: The questions in this section appear from the topics like Constitutional Development, PM, Present Parliament, Fundamental Rights, Fundamental Duties.

Previous Questions:

1. 73rd amendment belongs to?

- a) Municipalities b) Panchayati raj c) President d) vice-president

Indian & World Geography: Solar systems, minerals, rivers, population, natural vegetation, highest, largest, soil etc.

Previous Questions:

1. The height of Everest?

- a) 800 mtr b) 8000 mtr c) 8848 mtr d) 8700 mtr

General Science: Physics, chemistry, biology, zoology, science and technology.

Previous Questions:

1. The unit of pressure?

- a) Joule b) Parsec c) Pascal d) none

2. Largest gland in human body is?

- a) Heart b) Liver c) Pancreas d) Nerves system

Numerical Ability: Number system, fractions, simplification, ratio & proportion, percentage, maceration, simple, compound interest time & distance, Time and work etc.

Previous Questions:

1. $\frac{2}{5}$ th work can be completed in 5 hrs, how much time required completing the full work?

General Intelligence and Reasoning: It consists of verbal and non-verbal topics

In verbal: Number series, analogy, classification, direction, coding –de coding

Non-verbal series: Classification, cubes & dice, Venn-diagrams

Previous Questions:

1. Find the wrong number in the series: 125, 106, 88, 76, 65, 58, 53?

a) 125 b) 106 c) 88 d) 76

2. Complete the series: 2, 5, 9, 19, 37?

a) 76 b) 74 c) 75 d) none

Physical Efficiency Test (PET): Who ever qualified in written exam can attend 'PET' where 1000 meters should be run in 10 minutes.

Group C: The Posts are divided into two categories.

1. Non- technical popular category 2. Technical category

Recruitment Agency: RRB (Railway Recruitment Board)

Name of posts: ASM, Goods Guard, ECRC, TC, CA/TA Sr. clerks

Qualification: Any Degree

Mode of Selection: There are two stages.

Stage I - Common preliminary examination for all categories

Stage II - Main Examination

Stage I:

1. Preliminary exam will be held on same day by all RRBs
2. Common application for all categories
3. Based on performance of the candidate in the preliminary exam the candidates equal to 15 times of the number of vacancies will be short-listed. Written examination subjected to obtaining the prescribed minimum Qualification marks, in their respective community.

Exam pattern: One paper consists 100 questions. Each Question carries 1 mark. And there is one third negative marking for each wrong answer. The question paper divided into three parts,

Part-A: General awareness (40 Marks)

Part-B: Arithmetic ability (30 Marks)

Part-C: General Intelligence & Reasoning (30 marks)

Syllabus:

General awareness: In this part, questions appear relating to Indian history, geography, polity stock GK and current affairs.

Previous Questions:

1. Who abolished “ziziya tax”? (2012 RRB Sec-bad)

- a) Akbar b) Babar c) Shahjahan d) None

2. Who is the founder of Maghada Dynasty [2012 RRB Sec-bad]

- a) Ashoka b) Brihadrutha c) Ajatasatra d) None

Arithmetic Ability: It consists of the questions from the following topics like Number system, H.C.M & L.C.M , Percentage, Ratio & Proportion , Mensuration, time and work time and distance, pipes and cistern etc.

Previous Questions:

1. If $A:B = 1:2$, $B:C=2:$, then the $A:B:C =?$

- a) 1:2:2 b) 1:2:1 c) 2:1:2 d) 1:1:3

General Intelligence & Reasoning: The questions appear in this part from the following topics Number series, letter series, coding-decoding, classification, direction test, number test, Ranking test missing character finding etc.

Example: Find the missing character in the series: 1, 3, 5, ..., 9, 11, 13?

- a) 5 b) 7 c) 8 d)10

Stage II (Main exam): There shall be four main (second stage) examinations on different dates /shifts for the category grouping as indicated below one main exam for each group.

Groups of Main Exam	Name of the Posts	
Group I	CA&TA	Single Application
Group II	JAA & Sr. clerk	“
Group III	ECRC/Goods guard	“
Group IV	ASM/Traffic Assistant	“

Candidates who shall qualify preliminary exam will have the option to apply for one (or) all (or) any of the four groups.

For Group IV, candidates will be required to submit a medical certificate obtained form an eye specialist.

Candidates will have to submit separate detailed application form for each group.

It is compulsory for the candidates to give the priority of categories. Once the choice is made it shall be final. Common examination will be conducted for such combined categories.

Syllabus: Stage II consists 100 -150 questions. It includes General English, Arithmetic, General Awareness, General Intelligence and Reasoning.

For “ASM” post, second stage exam followed by psychological test, certificate verification and medical test.

Technical category Jobs: These Jobs are generally recruited in Engineering Department

Name of the post	Qualifications
Assistant Loco Pilot	ITI all trades, Diploma & B.Tech
Junior Engineer	Diploma (Mech, Electrical, Electronics)
Section Engineer	B.Tech (all branches)
Technician Grade II & III	Inter (M.P.C) (or) ITI (Fitter, Diesel, Electronics)

Note: There is only single stage written exam for these posts. No interview is conducted.

Exam Pattern: There are 150 questions and 150 marks. Sixty questions from non –technical subject, 90 from Technical subject.

Non–Technical subject includes General Awareness, Arithmetic, General intelligence & Reasoning.

Technical Subject includes Mechanical, Electrical & Electronic subjects.

Mechanical: Includes Engineering mechanics, strength of materials, engineering materials, theory of machines, machine design, thermal engineering, I.C. engines Refrigeration and air conditioning.

Electricals: Includes Atomic Structure, Electrical Engineering Materials, Work, Power & Energy Heating Effects, Magnetic Effects, D.C machines, A.C machines etc.

Electronics: Fundamentals of Electronics, Capacitors, Resistors, Inductors, Junction Diodes, Semiconductor, Rectifiers, Amplifiers Oscillators. Along with these topics, questions appear from Computer Fundamentals too.

Note: For Assistant loco pilot post written exam followed by “psychological test”

Group B: One who selected in Group C will be promoted later in to Group-B

Group A: These are class I category jobs.

Name of the posts: Assistant Engineers in Mechanical, Electrical, Electronics, Accounts’ Department (IRAS), Traffic Department (IRTS),

Recruitment Agency: UPSC through Indian Engineering Services and civil services.

By,

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