

RRB Group D Syllabus

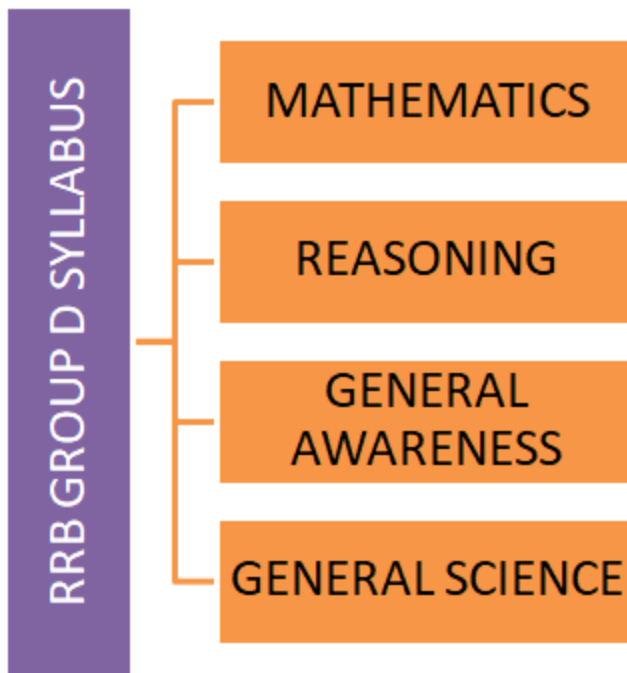
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Railway Group D Syllabus 2021

The RRB Group D Level 1 Syllabus includes 4 subjects -

- Mathematics
- General Intelligence & Reasoning
- General Science
- General Awareness and Current Affairs

The topics included for each subject for the concerned exam have been mentioned below!



RRB Group D Syllabus - Mathematics

The mathematics section of RRB Group D is a very Important section. The question being asked in this section is confined to the class Xth level. The aspirants can go through the [RRB Group D Previous Year Questions](#) For Solving the asked questions. Some of the important topics under Mathematics are as follows-

Mathematics Syllabus

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

Subject	Topic
Simplification	BODMAS , Approx Value, Square Root , Percentage, Fractions, Reciprocals of Numbers , Decimals and Surds and Indice
Data Interpretation	Tabular Graph, Pie Chart , Line Graph , Bar Graph .
Algebra	Identities, Linear Equation in 1 Variable, Linear Equation in 2 Variable, Quadratic Equation, Polynomials, Unit digit, Linear inequalities and Functions
Percentages	Calculation-oriented basic percentage
Number System	LCM and HCF, Divisibility and Remainder, Integers and Rational and Irrational numbers

Averages	Average Weight/Height/Age/Marks, Average Money Expenditure, Average Temperature, etc.
Ratio and Proportion	Simple Ratios, Compound Ratios, Direct or Indirect Proportion, Componendo or Dividend, Fourth Proportional, Third Proportional, Age, Mean Proportional
Mixture Problems	Problems on making a mixture of two or more entities/mixtures.
Mensuration	Areas & volume of Square, Rectangle, Circle or Semicircle, Triangle, Rhombus, Trapezium, Parallelogram, Cone, Cylinder, Cube, Cuboid, Sphere, Right Prism, Tetrahedron, Pyramid.
Time and Work	Work Efficiency, Work and Wages, Pipes, and Cistern.
Speed Time and Distance	Partial Speed, Relative Speed, Average Speed, Boat and River, Problem on Trains.
Interest	Simple Interest, Compound Interest, Combined problems on SI & CI.
Profit and Loss	Dishonest Dealings, Successive Selling, Partnership, Discount, and Marked Price and Mixture Problems.
Number Series	Problems on Completing the Series, Finding the Missing Term, Finding the Wrong Term.
Geometry	Basic problems on Triangles, Congruence & Similarity. Theorems on Segments, Tangents & Chords. Basic Qs on different types of Quadrilaterals. and Co-ordinate Geometry.

Trigonometry	Identities, Functions, Heights and Distances, Max and Min value, Circular Measure of Angles.
Probability	very basic problems on probability.

You can also view [Mathematics Preparation Tips for RRB Group D](#)

Railway Group D Syllabus - General Intelligence & Reasoning

The Reasoning Section of RRB Group D is of a very basic level. This makes this section a bit scoring. The question asked checks your basic understanding & Knowledge of reasoning aptitude. Some of the important topics under general Intelligence & Reasoning.

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

Subject	Topic
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Analogy	Analogy can be Letter based, Letter and Number based, Meaning Based, GK based, Image-Based and based on members of a group.
Series	Alphabetic Series, Number Series, Mixed Series, General Knowledge Series.
Coding and Decoding	Coding and decoding by letter shifting, Coding, and decoding in fictitious language, Coding letter of a word, Operation based on place value, Coding by analogy.
Puzzles	Quant based puzzle, Logical puzzle (Equation insert, BODMAS rule, Inequality, Coded logic), Seating Arrangement (Circular Arrangement, Linear Arrangement), Scheduling, Double Line up, Clock Calendar.
Direction and Distance	Route & network-based problems.
Blood Relation	General blood relation problems, Family tree problems, Coded blood relation problems.
Alphabet and Word Test	Sequence (Logical order, Dictionary order, Reverse dictionary order), New word by adding the prefix, New word by adding Suffix, Jumble words (Find odd one, Unjumble words), Matrix, Word formation (New word formed, Word cannot be formed)
Venn Diagram	Logical Venn Diagram, Venn diagram problem, Syllogism.
Missing Number	Matrix & diagram related problems.

Non-Verbal Reasoning	Assemble Image, Mirror Image, Hidden Image, Completion of Incomplete Pattern, Cubes and Dice (Construction of Boxes, Problems on Dice), Paper Folding and Cutting, Missing Term, Counting Figures.
Classification	Letter based, Letter and number based, Meaning based, General knowledge-based, Image Based, Number based.
Verbal Reasoning	Statements and Conclusions, Statements and Inferences, Statements and Assumptions, Assertion and Reason, Course of Action, Statements and Arguments.

You can also view [Reasoning Preparation Tips for RRB Group D.](#)

Railway Group D Syllabus - General Science

The general science will test your knowledge on basic terminologies & concepts of science. General science consists of three sections

- Physics, Chemistry, and Biology of the 10th standard level (CBSE).
- Physics include topics such as work & Motion, Lens, Work energy, Electricity, etc. Chemistry will include Basic Reactions, chemistry in everyday life, periodic tables, Acid Bases & Salt. Biology will comprise both plant & human analogy.
- The general science subject includes questions from Physics, Chemistry & Life Science of the 10th standard level. These questions basically test your knowledge of everyday observation and experience in the scientific aspect.
- The Qs will be related to Biology, Physics, Chemistry, Earth Sciences, Environmental Sciences, [Astronomy and Space Technology](#), [Computers and Mobile Technology](#), Inventions and Discoveries, [Nutrition](#), Military Technology, [Diseases](#), etc.

RRB Group D Syllabus - General Awareness

The game-changing section in RRB Group D Examination is the general awareness and current affairs section. Aspirants need to prepare from the beginning itself to score better in this section. In this section, a total of 20 Questions will be asked. Regular Mock Test and Analysing Current affairs can be done to boost up your score in this section Let us see a few important topics in this section

General Awareness Syllabus

Science & Technology	Sports	Culture
Personalities	Economics	Politics and any other subject of importance.

Subject	Topic
Current Affairs	Art and Culture , Awards and Honors , Business and Economy , Books and Authors , Committees, and Recommendations. National Affairs, People in News, Places in News, Defense News, Days and Events , Government Policies and Schemes, Sports, Capitals and Currencies, Appointments and Resignations.
Geography	Indian Geography (National Park & Centuries, Wildlife Centuries, etc.)
History	Indian Freedom Struggle , Ancient History, Medieval History, Post Independence History.
Polity	Constitution of India , Government Portfolios , etc.
Economics	Indian Economy, Economic Organizations, World Economy, Business, Economic Theory, Economic Reforms .
Miscellaneous Topics	Art and Culture, Awards and Honors, Places in News, Books and Authors, Committees and Recommendation, Sports, Environment, Banking Awareness, Science & Technology, Bitcoin & Cryptocurrencies .

You can also view [Tips for General Awareness](#).

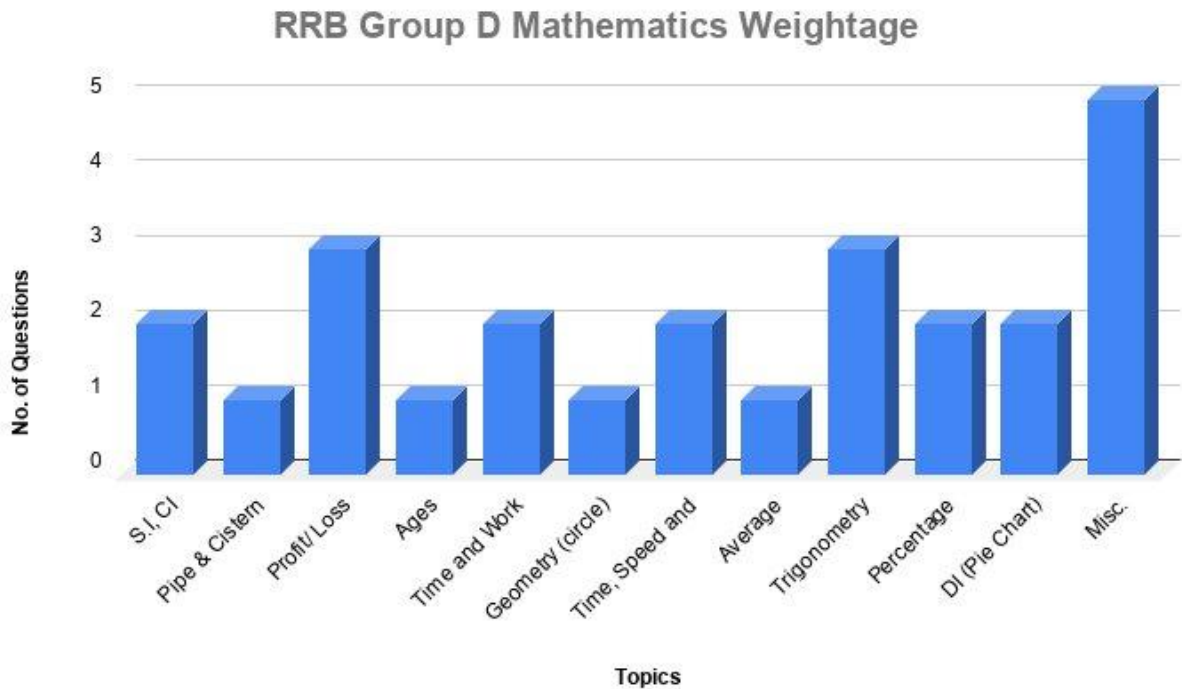
Railway Group D Weightage - Mathematics

Let us also examine the weightage of topics based on previous trends

Topic	No of Questions	Level
S.I, CI	2	Moderate
Pipe & Cistern	1	Easy-Moderate
Profit/ Loss	3-4	Easy-Moderate
Ages	1	Easy
Time and Work	2	Easy
Geometry (circle)	1	Easy-Moderate
Time, Speed and Distance	2	Easy
Average	1	Easy
Trigonometry	3	Easy-Moderate
Percentage	2	Easy-Moderate
DI (Pie Chart)	2	Moderate
Misc.	5	Moderate

Total	25	Moderate
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Below is RRB Group D Mathematics Syllabus Weightage Infographics



Railway Group D Weightage - General Intelligence & Reasoning

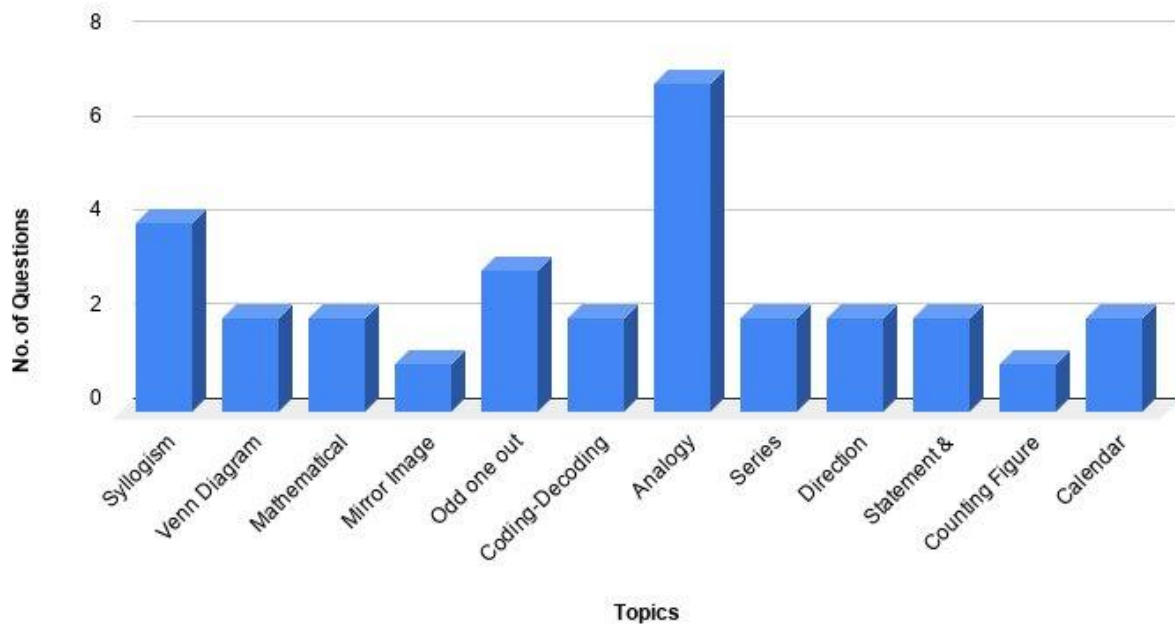
Let us examine the weightage under the reasoning section

Topic	No of Questions	Level
Syllogism	4-5	Easy
Venn Diagram	2-3	Easy
Mathematical Calculation	2	Easy

Mirror Image	1	Easy
Odd one out	3-4	Easy
Coding-Decoding	2-3	Easy-Moderate
Analogy	7-8	Easy
Series	2	Easy
Direction	2	Easy
Statement & Conclusion	2	Easy-Moderate
Counting Figure	1	Easy
Calendar	2	Easy
Total	30	Easy

Below is RRB Group D General Intelligence & Reasoning Syllabus Weightage Infographics

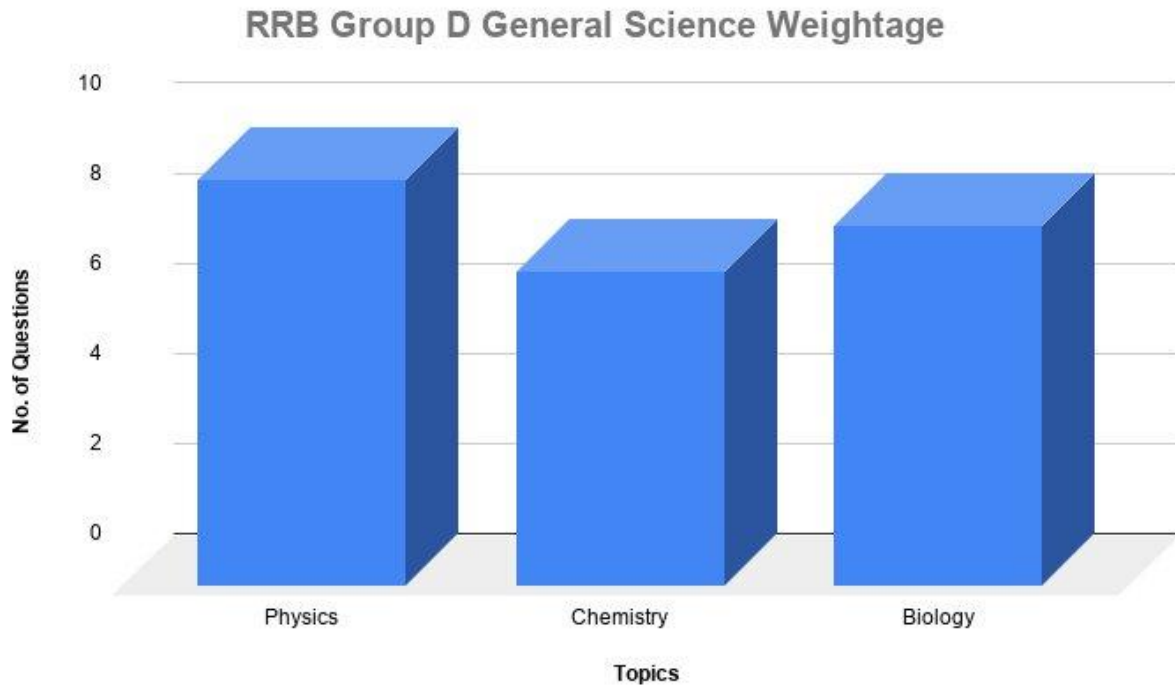
RRB Group D General Intelligence & Reasoning Weightage



Railway Group D Weightage - General Science

Topic	No of Questions	Level
Physics	9-11	Easy
Chemistry	7-9	Moderate
Biology	8-11	Easy
Total	25	Easy-Moderate

Below is RRB Group D General Science Syllabus Weightage Infographics



Railway Group D Level 1 Exam Pattern

RRB Level 1 exam is conducted in 3 stages - Computer Based Test, PET followed by Document Verification. Get the detailed [RRB Group D exam pattern](#) for all the phases given below.

1. CBT

The detailed exam pattern of the Computer Based Test is given in the table below:

Subject	No. of Questions	Time Duration
General Science	25	90 mins
Maths	25	
General Intelligence & Reasoning	30	
General Awareness & Current Affairs	20	

Total	100	
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Note - The RRC Level - 1 exam duration will be of 120 minutes for the PwBD candidates accompanied with a scribe.

- There is negative marking for each incorrect answer.
- 1 mark will be awarded to each candidate for the right answers.
- 1/3 of the marks allotted for each question shall be deducted for the wrong answer.
- The Questions will be of objective type with multiple choices.

2. PET

Male Candidates

- Should be able to lift and carry 35 Kg of weight for a distance of 100 meters in 2 minutes in one chance without putting the weight down
- It should be able to run for a distance of 1000 meters in 4 minutes and 15 seconds in one chance.

Female Candidates

- Should be able to lift and carry 20 Kg of weight for a distance of 100 meters in 2 minutes in one chance without putting the weight down; and
- Should be able to run for a distance of 1000 meters in 5 minutes and 40 seconds in one.

Check [RRB Group D Cut off](#) here!


Recommended Books for RRB Group D



Given below is the subject-wise list of [RRB Group D Books](#) along with the information about the author and publisher.

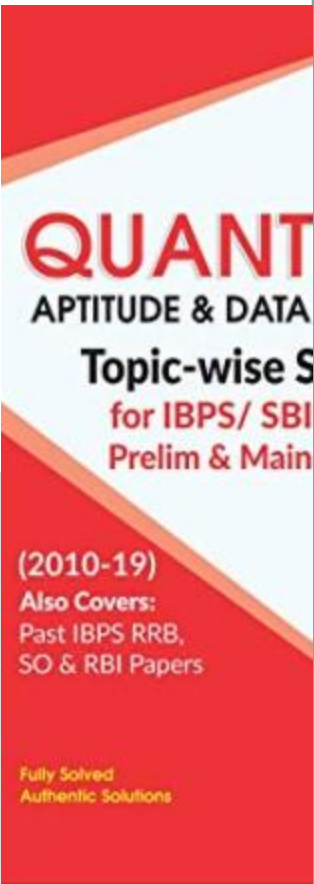
Mathematics Books for Group D Exam

For Mathematics, you can refer to the following books as mentioned. Also, solve an ample number of questions from each topic to gain speed and accuracy for the actual exam. You can also attempt the Maths quizzes to improve your speed for the actual exam.

Name of Book	Author	Publisher	Books

<p>Practice Book on Quicker Maths, 2nd Edition</p>	<p>M.Tyra, K.Kundan</p>	<p>Magical Book Series</p>	
<p>Quantitative Aptitude for Competitive Examinations 17th Edition</p>	<p>R.S Aggarwal</p>	<p>S.Chand Publisher</p>	

<p>Fast Track Objective Arithmetic</p>	<p>Rajesh Varma</p>	<p>Arihant Publishers</p>	
<p>Quantitative Aptitude for All Competitive Examinations</p>	<p>Abhijit Guha</p>	<p>Mc Graw Hill</p>	


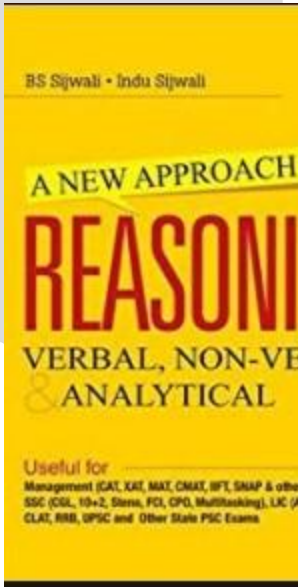
Quantitative Aptitude & Data Interpretation	Disha Publication	
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General Intelligence Reasoning Books for Group D Exam

For Mathematics, you can refer to the following books for the RRB Group D exam as mentioned. You can also use the links given to buy the corresponding books.


Name of Book	Author	Publisher	Books


<p>Test of Reasoning</p>	<p>Edgar Thorpe</p>	<p>Pearson</p>	
<p>A Modern Approach to Verbal & Non-Verbal Reasoning</p>	<p>R.S Aggarwal</p>	<p>S.Chand Publisher</p>	

<p>Logical and Analytical Reasoning</p>	<p>A.K Gupta</p>	<p>Ramesh Publishing House</p>	
<p>A New Approach To Reasoning</p>	<p>B.S Sijwali</p>	<p>-</p>	

General Science Books for Group D Exam

For General Science, you can refer to the following books for the RRB Group D exam as mentioned. You can also use the links given to buying the corresponding books.

Name of Book	Publisher	Books
Lucent's General Knowledge (Science section)	Lucent Publication	
General Science for Competitive Exams (Objective & Subjective)	BK Editorial Board	-

Rapid Fire GK Book	Disha Publication	
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General Awareness and Current Affairs Books for Group D Exam

For General Awareness, you can refer to the following books for the RRB Group D exam as mentioned. You should also follow the daily news and read [current affairs](#) articles to keep yourself updated about the latest events.

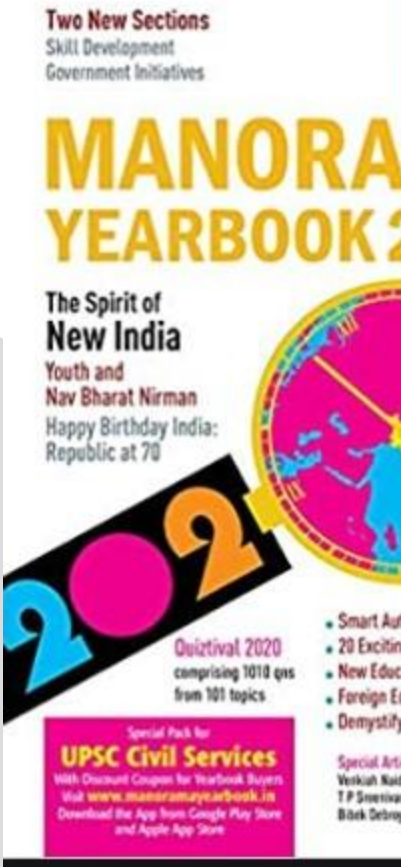
Name of Book	Publisher	Books
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Lucent's General Knowledge	Lucent Publication	 <p>The image shows the cover of a book titled 'Lucent's General Knowledge'. The cover features a yellow background with a globe, a satellite, and a QR code. The text 'Lucent's' is in red, 'General Knowledge' is in blue, and 'GK' is in large gold letters at the bottom.</p>
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Pratiyogita Darpan

Upkar Publication



<p>Manorama Year Book (English)</p>	<p>Malayala Manorama</p>	
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Tips and Strategies for RRB Group D Preparation

1. RRB Group D is one of the toughest examinations to crack as the competition is usually high, preparing in advance will definitely be a good step to approach. Making a preparation plan early will help them compile all the required reading materials and draw up an effective plan which they can implement all through their preparation.
2. Learning the fundamentals of a subject thoroughly. It is extremely important to get hold of the fundamentals of the topics of the entire Railway Group D syllabus. This will help to make solving the questions even easier. Applicants must have strong knowledge of commonly asked topics and every topic that is covered in the syllabus.
3. The competition is increasing so it is better to have advanced knowledge of the examination. This can be achieved by taking up RRB Group D mock tests. It will help you understand the exam pattern and the type of questions and you will be able to comprehend how to segregate your time. You will be able to find the sample papers and mock tests on the Testbook.
4. Time Management plays a major role in the preparation of the RRB Group D examination. Candidates should know to use each minute effectively. This will help them segregate

their time efficiently in the actual examination. Candidates can download [RRB Group D Admit Card](#) here

We hope you have liked the article on Railway Group D Syllabus , let us know your views and queries in the comment section. Click on our [Testbook Application](#) to avail comprehensive courses, pdf notes, and free tests. Aspirants are also advised to go through the syllabus to get a clear understanding of the exam. It shall help you make an informed decision about the examinations you choose to appear for. Exciting offers & deals help improve your content!

