

## RRB: ASSISTANT LOCO PILOT(ALP) EXAM PATTERN :

RRB Loco pilot Exam Pattern 2017				
Examination Type	Sections	No. of Questions	Marks	Duration
Objective Type MCQ Questions	General Awareness	25	25	90 Minutes
	Arithmetic	20	20	
	General Intelligence	05	05	
	Reasoning	10	10	
	General Science	30	30	
	Technical Ability	30	30	
	<b>Total</b>		<b>120</b>	

### General Science Syllabus for RRB ALP Exam 2017

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- Physics.
- Biology.
- Chemistry.
- Environmental Studies.

### RRB ALP General Awareness Syllabus

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- Current affairs (National & International)
  - Sports
  - Budget & five year plans
  - Books & authors
  - Science Inventions and discoveries
  - Important days
  - International & national organization
  - Major financial
  - Abbreviations
  - Economic news
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## **RRB ALP General Science Syllabus**

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- Physic
- Environmental studies
- Chemistry
- Biology

## **RRB ALP Arithmetic Syllabus**

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### **Number System**

- Fractions
- Indices and Surds
- Square Root&Cube Root
- Simplification
- HCF&LCM
- Orders of Magnitude
- UnitaryMethod
- ProblemonAges
- Average
- Percentage
- Profit and Loss
- Ratio& Proportion
- Partnership
- Alligation or Mixture
- Time andWork
- Pipe and Cisterns
- Time and Distance
- Problems on Trains
- Boats and Streams
- Simple Interest

- Compound Interest
- Area of Plane Figures
- Volume and Surface Area of Solid Figures
- Clocks and Calendar

## **RRB ALP Reasoning Syllabus**

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- Analogy
  - Classification
  - Series
  - Coding-Decoding
  - Blood Relations
  - Direction Sense Test
  - Logical Venn Diagrams
  - Alphabet Test
  - Sitting Arrangements
  - Mathematical Operations
  - Arithmetical Reasoning
  - Inserting the Missing Character
  - Number, Ranking and Time Sequence Test
  - Syllogism
  - Logical Sequence of Words
  - Alpha-Numeric Sequence Test
  - Puzzle Test
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## Electrical

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- Electrical India.
- Rolls, Cables.
- Transfers.
- Three Phase Motor System.
- Light, Magnetism.
- Proved To Be The Fundamental Electrical System.
- An Alternative System Single Phase Motor.
- Motors.

## Electronic and Communication

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- The Transistor.
- Dias.
- Digital Electronics.
- Networking And Industrial Electronics.
- Electronic Tube.
- Semi-Conductor Physics.
- Robotic Radio Communications Systems And Satellite Matters.
- Computer And Micro Processor.

## Automobile

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- Machine Design.
- System Theory.
- IC Engines.

- Heat Transfer.
- Thermo Dynamics.
- Materials Applying Motion.
- The Power Plant Turbines and Boilers.
- Metallurgical Production Technology.

## Mechanical

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- Dimensions.
- Heat.
- Engine.
- Turbo Machinery.
- Production Engineering.
- Automation Engineering.
- Kinetic Theory.
- The Strength Of The Material.
- Metallurgical.
- Metal Handling.
- Refrigerators And Air Conditioned.
- Thermo Dynamics.
- Energy, Material.
- Energy Conservation.
- Management.
- Applied Mechanics.

## Verbal

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- Blood Relations.
- Decision Making.
- Arithmetical Reasoning.
- Test of Direction Sense.
- Number Series.

- Analogy.
- Coding-Decoding.
- Alphabet Series.
- A problem on Age Calculation.
- Number Ranking.

## **Non – Verbal**

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- Cubes and Dice.
- Mirror Images.
- Embedded Figures.
- Grouping Identical Figures.
- Non-Verbal Series.

## **RRB ALP Exam General Intelligence syllabus**

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- Figures and Pictures.
- Similarities.
- Space Visualization.
- Differences.
- Problem-Solving.
- Visual memory.
- Observation.
- Arithmetical Reasoning.
- Analysis.
- Analogies.
- Judgement.
- Relationship Concepts.
- Discrimination.
- Verbal and Figure Classification.
- Arithmetical Number Series.
- Decision Making.