

# Bharat Electronics Limited (BEL)



## BEL Contract Engineer Exam Pattern

Exam Type	Part	Name of the Subject
Objective MCQ's	Part - I	<b>Concerned Subjects</b> <ul style="list-style-type: none"><li>• Electronics And Communication</li><li>• Mechanical</li></ul>
	Part - II	<ul style="list-style-type: none"><li>• General Aptitude</li><li>• General English</li><li>• Reasoning</li><li>• General Knowledge</li></ul>

## BEL Contract Engineer Exam Syllabus

### Electronics & Communication

- Digital Communications.
- Analog Electronics.
- Measurement & Instrumentation.
- Computer Hardware.
- Power Electronics & Drives.
- Advanced Communications.
- Basic Electronics/ Power Electronics.
- Circuit Theory/ Digital Electronics.
- Analog Communications.
- Microprocessors & Microcontrollers.
- Industrial Electronics.

### Mechanical

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- Engineering Materials.
- Thermodynamics.
- Industrial Engineering.
- Machine Design.
- Theory Of Machines.
- A Strength of Materials.
- Fluid Machinery & Steam Generators.
- Refrigeration & Air Conditioning.
- Heat Transfer.
- Fluid Mechanics.

## **General Aptitude**

- Pipes and Cisterns.
- Races and Games.
- Problems on Numbers.
- Volumes.
- Quadratic Equations.
- Probability.
- Boats and Streams.
- Indices and Surds.
- Areas.
- Time & Distance.
- Simple Interest.
- Mensuration.
- Problems on Trains.
- Ratio & Proportion.
- Problems on L.C.M and H.C.F.
- Odd Man Out.
- Number and Ages.
- Compound Interest.
- Profit and Loss.
- Percentages.
- Partnership.
- Time & Work.

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- Averages.
- Mixtures and Allegations.
- Simple Equations.
- Permutations & Combinations.
- Simplification & Approximation.

## General English

- Idioms and Phrases.
- Spotting Errors.
- Joining Sentences.
- Prepositions.
- Error Correction (Underlined Part).
- Antonyms.
- Active Voice and Passive Voice.
- Substitution.
- Synonyms.
- Sentence Completion.
- Sentence Improvement.
- Error Correction (Phrase in Bold).
- Fill in the blanks.
- Sentence Arrangement.
- Para Completion.
- Passage Completion.

## Reasoning

- Blood Relations
- Coding-Decoding
- Data Sufficiency
- Coded Inequalities
- Number Series
- Letter Series
- Analogies
- Evaluating Course of Action
- Statements and Conclusions

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- Double Lineup
- Logical Deductions
- Routes & Networks
- Venn Diagrams
- Problem Solving
- Grouping & Selections
- Binary Logic
- Mathematical and Computer Operations
- Critical Reasoning
- Inferences
- Situation Reaction Test
- Assertion and Reason
- Verification of Truth of the Statement
- Statements and Assumptions
- Puzzles
- Syllogisms
- Decision Making
- Symbols and Notations
- Direction Sense Test
- Clocks & Calendar
- Cubes & Dice
- Classification
- Seating Arrangement
- Logical Sequence Of Words

## **General Knowledge**

- Famous Books & Authors.
- <https://www.freshersnow.com/syllabus/>
- Countries and Capitals.
- General Science.
- Geography.
- Environmental Issues.
- Famous Places in India.
- Biology.

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- Indian Economy.
- Indian Parliament.
- Artists.
- Current Affairs.
- Literature.
- Rivers, Lakes and, Seas.
- Civics.
- Indian History.
- Tourism.
- Sports.
- Famous Days & Dates.
- Indian Politics.
- Inventions and Discoveries.
- Heritage.