

BEL Project Engineer Syllabus 2023 | Exam Pattern PDF Download

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BEL Project Engineer Syllabus 2023



Part 2
50 Qsn

General Ability



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Part 1
50 Qsn

Subject Related Questions



CBT
Exam MODE



UG
Exam LEVEL



100
Total MARKS



N/A
Total TIME (Min)

Bharat Electronics Limited (BEL) conducts an online computer-based test (CBT) for its graduate-level recruitment process. BEL Project Engineer Syllabus 2023 exam is of an objective type and consists of multiple-choice questions (MCQs). The medium of the exam paper is in Hindi and English, except for language subjects. A total of 100 questions are asked in the exam, with each question carrying one mark. BEL Project Engineer Syllabus 2023 exam comprises two sections, namely General Ability and Subject-Related Questions. BEL Project Engineer Syllabus 2023 candidates are required to answer all the questions within the stipulated time frame. To score well in the exam, candidates need to have a thorough understanding of the subject-related questions and must possess good general ability skills. BEL Project Engineer Syllabus 2023 exam is a crucial step towards securing a job in the prestigious Bharat Electronics Limited (BEL) organization.

Written Exam 01

Interview02

BEL Project Engineer Syllabus 2023: Written Exam

1/7

Organization

BEL

Exam Mode

Online (CBT)

Exam Level

Graduate

Exam Type

Objective (MCQ)

Paper Medium

Hindi & English (Except language subject)

Total Question

100

Total Marks

100

Correct Answer (Marks)

01

Subject Details

Name Qsn Marks

General Ability 50 50

Subject Related Questions 50 50

[!\[\]\(291e070cef6c4d5e78fefe4696ef53be_img.jpg\) Test Paper 1](#) [!\[\]\(5a6551557c623b42379c503783a5133a_img.jpg\) Test Paper 2](#)

1.  **General Ability**

Total Qsn 50 Total Marks- 50 Test Paper- [Start Quiz](#)

Quantitative Ability:

1. Highest Common Factor and Lowest Common Multiple
2. Age-related problems
3. Calculation of Profit and Loss
4. Time and Work calculations
5. Pipes and Cisterns problems
6. Calculations of measurements such as area and volume
7. Percentage calculations
8. Height and distance calculations
9. Ratio and Proportion calculations
10. Permutation and Combination problems
11. Calculation of volume and surface area
12. Simplification of mathematical expressions
13. Probability calculations
14. Simple and Compound Interest calculations
15. Problems related to trains
16. Interpretation of line graphs
17. Number system calculations
18. Mixtures and Allegations calculations
19. Decimal and Fractions calculations
20. Boats and Streams problems
21. Time and Distance calculations

Reasoning:

1. Time-keeping and calendar calculations
2. Arrangement of objects or people in a specific order
3. Problem-solving skills
4. Number series calculations
5. Directions and navigation
6. Identification of objects embedded in larger figures
7. Code-breaking and encoding skills
8. Identification of patterns in non-verbal information
9. Deductive reasoning based on given information
10. Decision-making skills
11. Alphabet series calculations
12. Identification of mirrored images
13. Analogical reasoning skills
14. Effective decision-making skills
15. Analysis of cubes and dice
16. Arithmetic reasoning skills
17. Ranking of numbers
18. Identification of familial relationships
19. Development of visual memory skills

2. 📖 Subject Related Questions

Total Qsn 50 Total Marks- 50 Test Paper- Start Quiz

General Knowledge:

1. India: Facts and Information
2. Lakes, Seas, and Oceans: Knowledge and Trivia
3. Famous Places around the World
4. Geography: India and the World
5. Indian Polity and Governance: Understanding the System
6. History: India and the World
7. Literature: Authors, Books, and Genres
8. Capital Cities of Countries: Facts and Trivia
9. Indian National Movement: History and Leaders
10. Civics: Knowledge and Understanding
11. Cultural Heritage: India and the World
12. Indian Constitution: Features and Significance
13. Science and Technology: Discoveries and Innovations
14. Artists: Famous Personalities in Arts and Entertainment
15. Economy: Concepts and Current Affairs

General English:

1. One-Word Substitutions: Vocabulary
2. Spelling: Correct Spellings of Words
3. Idioms and Phrases: Expressions and Meanings
4. Detecting Misspelt Words: Spotting Spelling Errors
5. Fill in the Blanks: Vocabulary and Grammar
6. Synonyms/Homonyms: Words with Similar or Same Meanings
7. Improvement: Improving Sentence Structure and Vocabulary
8. Antonyms: Words with Opposite Meanings
9. Cloze Passage: Vocabulary and Comprehension
10. Shuffling of Sentences in a Passage: Rearranging Sentences
11. Comprehension Passage: Reading and Understanding a Passage
12. Shuffling of Sentence Parts: Rearranging Sentence Parts

Mechanical Engineering Topics:

1. Thermodynamics
2. Refrigeration and Air Conditioning
3. Machine Design
4. Fluid Mechanics
5. Engineering Materials
6. Heat Transfer
7. Strength of Materials
8. Industrial Engineering

9. Theory of Machines
10. Fluid Machinery and Steam Generators

Computer Topics:

1. Operating System and Office Productivity Tools
2. Microsoft Windows
3. Overview and Usage of PDFs
4. Microsoft Office
5. MS Outlook
6. Advanced Features of MS Word
7. File and Folder Management
8. Internet Usage, Familiarity, and Email
9. Understanding LAN, WLAN, and WAN Connections
10. Internet Explorer Usage and Settings

Troubleshooting, Installation, and Best Practices Topics:

1. Understanding Storage Devices
2. Burning DVDs/CDs
3. Using DVD/CD-ROM and Floppy Drives
4. FTP Usage for Internet Data Transfer
5. Scanner and Scanner Software Usage and Configuration
6. Flash Drive and Pen Drive Data Management
7. LAN Resource Utilization

Electrical Engineering Topics:

1. AC Fundamentals
2. Power Electronics and Drives
3. Electrical Energy Utilization
4. Basic Electronics
5. Network Theory
6. Magnetic Circuit
7. Measurement and Measuring Instruments
8. Estimation and Costing
9. Analog and Digital Electronics
10. Power Systems
11. Electrical Machines
12. Basic Electrical Engineering Concepts

Electronics Engineering Topics:

1.
 1. Circuit Basics and Measurement Systems
 2. Analog Electronics
 3. Signals, Systems, and Communications
 4. Control Systems and Process Control
 5. Electrical and Electronic Measurements
 6. Digital Electronics
 7. Transducers
 8. Mechanical Measurement
 9. Industrial Instrumentation
 10. Analytical and Optical Instrumentation

NOTE: This is the unofficial syllabus for BEL Project★ Engineer Recruitment, so some changes may be done.



BEL Project Engineer Syllabus 2023 FAQ

★What is BEL?

BEL stands for Bharat Electronics Limited, which is a premier Indian public sector company that specializes in manufacturing advanced electronics products.

★What is the mode of the BEL Project Engineer Syllabus?

The BEL exam is conducted online through a computer-based test (CBT).

★What is the exam level for the BEL exam?

The BEL exam is a graduate-level exam.

★What is the total number of questions in the BEL Exam Pattern?

The BEL exam comprises a total of 100 questions.

★What is the marking scheme for the BEL PDF Download?

Each question in the BEL exam carries one mark for a correct answer.

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