

**Pattern of Written Exam for the post of Building Overseer cum Caretaker**

| <b>S. NO</b> | <b>Topics</b>                  | <b>No. of Questions</b> | <b>Marks</b> | <b>Duration</b> |
|--------------|--------------------------------|-------------------------|--------------|-----------------|
| 1.           | Reasoning                      | 25                      | 25           | 2 ½ Hours       |
| 2.           | Numerical Aptitude             | 25                      | 25           |                 |
| 3.           | General English                | 25                      | 25           |                 |
| 4.           | General Awareness              | 25                      | 25           |                 |
| 5.           | Civil & Electrical Engineering | 50                      | 50           |                 |
|              | Total                          | 150                     | 150          | 2 ½ hours       |

**Reasoning**

- Logical Sequence of Words.
- Visual memory
- Discriminating observation
- Figure Classification.
- Analysis
- Judgment
- Decision making
- Non-Verbal Series.
- Number Ranking.
- Number Series.
- Alphabet Series.
- Arithmetical Computation.
- Analogy.
- Coding-Decoding.
- Problem Solving.
- Verbal and Figure Classification.
- Arithmetical Number Series.
- Relationship Concepts
- Arithmetical Reasoning etc.

**Quantitative Aptitude**

- Number System.
- Computation of Whole Numbers
- Simplification.
- Relationship between Numbers
- Decimal & Fractions.
- Profit and Loss.
- Discounts.
- Percentages.
- Fundamental arithmetical operations
- Ratio and Time.
- Averages.
- HCF & LCM.
- Use of Tables and Graphs.
- Mensuration.
- Time and Work.
- Simple & Compound Interest.

- Time and Distance.
- Tables and Graphs.
- Data Interpretation etc.

### **English**

- Verb.
- Tenses.
- Adverb.
- Articles.
- Subject-Verb Agreement.
- Fill in the Blanks.
- Error Correction.
- Comprehension.
- Sentence Rearrangement.
- Vocabulary.
- Grammar.
- Unseen Passages.
- Idioms & Phrases.
- Synonyms, Antonyms.

### **General Awareness**

- Indian Constitution.
- Books.
- Awards and Honors.
- History, Culture.
- Current Affairs – National & International.
- Geography.
- Economic.
- Sports and Games.
- Important Days.
- Polity.
- Books and Authors.
- Science – Inventions & Discoveries.
- Abbreviations.
- Important Financial & Economic News.

### **Civil & Electrical Engineering**

- **Civil Engineering:** Building Materials, Estimating, Costing and Valuation, Surveying, Soil Mechanics, Hydraulics, Irrigation Engineering, Transportation Engineering, Environmental Engineering.
- **Electrical Engineering** Basic concepts, Circuit law, Magnetic Circuit, AC Fundamentals, Measurement and Measuring instruments, Electrical Machines, Fractional Kilowatt Motors and single phase induction Motors, Synchronous Machines, Generation, Transmission and Distribution, Estimation and Costing, Utilization and Electrical Energy, Basic Electronics.