

## **MAHADISCOM Asst Engineer Syllabus**

### **MAHADISCOM AE Syllabus for Electrical**

- Electrical Engineering Concepts.
- Electrical Circuits.
- Network Theory.
- Electrical Measurements & Instrumentation.
- Power Electronics & Drives.
- Electrical Machines.
- D.C. Machines
- Transformers
- Induction Motors
- Alternator and Synchronous Motors
- Power Generation
- Transmission and Distribution
- Power System Protection
- Control Systems
- Analog and Digital Electronics.
- Power System Analysis.
- Estimation and costing.
- Utilization of Electrical Energy.
- The Indian Electricity Rules 1956
- The Electricity Act 2003 etc.

### **MAHADISCOM AE Syllabus for Reasoning**

- Analytical Reasoning.
- Directions.
- Similarities and Differences.
- Number Series.
- Blood Relationships.
- Arrangements.
- Analogies.
- Classification.
- Coding Decoding.
- Symbols and Notations.
- Alphabet Series.
- Non Verbal Reasoning.
- Symmetry.
- Data Sufficiency.

- Syllogisms.
- Statements.
- Visual Ability etc.

### **MAHADISCOM AE Syllabus for Quantitative Aptitude**

- Number Systems.
- Ratio and Proportion.
- Average.
- Percentages.
- Square Roots.
- Races and Games.
- Problems on Trains.
- Cube Roots.
- H.C.F. and L.C.M.
- Simplification.
- Pipes and Cisterns.
- Time and Distance.
- Problems on Ages.
- Boats and Streams.
- Clocks and Calendars.
- Time and Work.
- Mensuration.
- Data Interpretation.
- Mixture and Alligation.
- Simple & Compound Interest.
- Profit and Loss.
- Partnership.
- Discounts etc.

### **MAHADISCOM AE Syllabus for Marathi Language**

- Vocabulary.
- Grammar.
- Parts of Speech.
- Translation of Sentences.
- Usage of Words.
- Idioms and Phrases.
- Indirect and Direct Speech.
- Precise Writing.
- Cloze test.
- Comprehension.
- Fill in the blanks etc.