

MAHADISCOM Vidyut Sahayak Exam Pattern

S.No	Subject Name	Marks
1	Test of Professional Knowledge Electrical	50
2	Marathi Language	20
3	Quantitative Aptitude	20
4	Reasoning	40
5	Total	130

MAHADISCOM Vidyut Sahayak Syllabus

Electrical Subject Exam Topics

- Functions of capacitors & reactors.
- Power Engineering. Distribution Network Installation & load studies.
- Analysis of Dist. Transformers, Meters & Testing
- Electrical Circuits and Networks.
- Switchgear protection.
- Distribution HT/LT Line parameters.
- Low Voltage constraint & resolving thereof.
- Non-conventional Energy sources like Wind, Solar, Biomass etc.
- Present Power Sector scenario in India and others Electrical Engineering topics etc.
- Performance of line fault analysis.
- Measurement of Electrical Power.
- Control Systems.
- Measurements and Instrumentation.
- Power Systems.
- Power Electronics and Drives.
- Power Plant Engineering
- Analog and Digital Electronics.

- Electrical Machines.

Marathi Language Topics:

- Sentence And Its Types Grammar Marathi Grammar
- Alphabet and its Type (Alphabet and its Types)
- Terminology
- Vocabulary
- Some important words and meanings
- Synonyms
- All the sayings in Marathi

Quantitative Aptitude:

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

[For More Aptitude Questions, Practice Here](#)

Reasoning:

- Analogies.
- Arrangements.
- Coding-Decoding.
- Classification.
- Analytical Reasoning.
- Blood Relationships.
- Directions.
- Data Sufficiency.
- Similarities and Differences.
- Alphabet Series.
- Symbols and Notations.
- Visual Ability
- Nonverbal Reasoning.
- Syllogisms.
- Statements.
- Symmetry.

[Practice Reasoning Questions Here](#)