

Exam Pattern For UGVCL JE Electrical:

Section - I	General Knowledge	10%
Section - II	English Language	10%
Section - III	Electrical Engineering*	60%
Section - IV	Computer Knowledge	10%
Section - V	Gujarati Language & Grammar	10%

Exam Pattern For UGVCL JE Civil:

Section - I	General Knowledge	10%
Section - II	English Language	10%
Section - III	Civil Engineering	60%
Section - IV	Computer Knowledge	10%
Section - V	Gujarati Language & Grammar	10%

"The Question Paper Will Be In English & Gujarati Language Only"

Exam Pattern For UGVCL Jr. Asst Civil:

Section - I	General Knowledge	10%
Section - II	English Language	20%
Section - III	Maths & General Science	15%
Section - IV	Analytic & Logical Reasoning	15%
Section - V	Computer knowledge	20%
Section - VI	Gujarati Language & Grammar	20%

"The Question Paper Will Be In English & Gujarati Language Only"

UGVCL junior Engineer Electrical / Civil Syllabus:

General Knowledge

- Geography – Gujarat.
- Modern History of India.
- Indian Culture.
- Cultural Heritage of Gujarat.
- Indian Polity.
- Geography of India.
- Indian Economy.
- Current Events – National and International etc.

English Language

- Fill in the Blanks.
- Cloze Test.
- Spot the Errors.
- Synonyms.
- Antonyms.
- Direct/Indirect Speech.
- Active/Passive Voice.
- Idioms & Phrases.
- Improvement of Sentences.
- One word substitution.
- Comprehension Passage.
- Spellings etc.

Computer Knowledge

- Computer Fundamentals.
- Computer Hardware.
- Internet Usage.
- MS-Windows.
- MS-Office.
- Word Processing (MS-Word).
- Spread Sheet (MS-Excel).
- Presentation (MS-PowerPoint).
- MS Access etc.

Aptitude:

- Decimals and Fractions.
- Simple Interest.
- Profit & Loss.
- Partnership.
- Computation of Whole Numbers.
- Percentages.
- Time & Distance.
- Use of Tables and Graphs.

- Mensuration.
- Ratio & Proportion.
- Time & Work.
- Fundamental Arithmetical Operations.
- Number Systems.
- Relationship Between Numbers.
- Discount.
- Average.

Reasoning:

- Figure Classification.
- Space Visualization.
- Discriminating Observation.
- Analysis.
- Arithmetical Number Series.
- Relationship Concepts.
- Decision Making.
- Visual Memory.
- Problem Solving.
- Judgment
- Similarities and Differences.

General Science

- Physics.
- Biology.
- Environmental Science.
- Chemistry.
- Geography.

Electrical Engineering

- Switchgear & Protection.
- Functioning of capacitors & reactors.
- Non-conventional Energy sources like the wind, solar, biomass, etc.
- The basic role of the regulatory commission in the power sector.
- The performance of Electro Mechanic/Static meters.
- Distribution transformer.
- Present power sector scenario in India.
- HT line/LT line parameters – construction, operational maintenance.
- Low voltage constraints & resolving.
- Electrical & Electronics Measurement & Instruments.
- The performance of line faults analysis.

Civil Engineering

- Building Materials
- Estimating, Costing and Valuation
- Surveying
- Soil Mechanics
- Hydraulics
- Irrigation Engineering
- Transportation Engineering
- Environmental Engineering

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