

GSECL JE Exam Pattern 2018

S.NO	Exam Type	Subjects
1.	Objective Type Multiple Choice Questions	Quantitative Aptitude
2.		Logical Ability and Reasoning
3.		English
4.		Electronics Engineering
5.		Civil Engineering
6.		Mechanical Engineering
7.		Electrical Engineering

GSECL Junior Engineer Exam Syllabus 2018

Gujarat State Electrical Corporation Syllabus - Quantitative Aptitude

- Use of Tables and Graphs.
- Number System.
- Average.
- Mensuration.
- Time and Distance.
- Ratio and Proportion.
- Percentage.
- Profit & Loss.
- Simple Interest.
- Partnership.
- Time & Work.
- Decimal and Fractions.
- Discount.
- Simplification.
- LCM/HCF.
- Age Problem.
- Data Interpretation.
- Pictorial Graph.
- Pie Chart having percentage calculations.

Gujarat GSECL JE Syllabus - Logical Ability and Reasoning

- Analogies.
- Inequalities.
- Puzzle-Based problem.
- Syllogism.
- Statement and conclusions, assumptions & arguments .
- Blood relations.
- Odd One Out.
- Cubes and Dices.
- Series test.
- Sequences
- Directions

- Sitting arrangement.
- Decision making.
- Input-output.
- Clock and Calendars.
- Mirror Image.
- Syllogistic Reasoning.
- Arithmetic Reasoning.
- Arithmetical number series.
- Symbol Series.
- Coding and decoding.
- Statement conclusion.

GSECL Vidyut Sahayak JE Syllabus - English

- Verbs.
- Adverbs.
- Nouns.
- Word Formation.
- Fill in the blank.
- Unseen Passage.
- Tenses.
- Articles.
- Adjective.
- Sentence Completion.
- Sentence Rearrangement.
- Synonyms/Antonyms.
- Error Detection.
- Idiom and Phrases.
- Vocabulary.
- Passage Completion.
- Subject-verb Agreement.
- Comprehension.

GSECL Jr Engineer Syllabus - Electronics Engineering

- Digital Electronics.
- Signals, Systems, and Communications.
- Transducers and Mechanical Measurement.
- Analog Electronics.
- Industrial Instructions.
- Analytical, Optical Instrumentation.
- Control Systems and Process Control.
- Basic of Circuit and Measurement Systems.
- Electrical and Electronic Measurement.

Gujarat GSECL Vidyut Sahayak Civil Engineering Syllabus

- Soil Mechanics.
- Building Materials.
- Transportation Engineering.

- Hydraulics.
- Irrigation Engineering.
- Estimating, Costing and Valuation.
- Concrete Technology.
- Theory of Structure.
- Surveying.
- RCC Design.
- Steel Design.
- Structural Engineering.
- Environment Engineering.

GSECL JE Mechanical Engineering Syllabus

- Production Technology.
- Mechanics.
- Heat Transfer.
- Mass Transfer.
- Thermodynamics.
- Automotive Engines.
- Material Science.
- The strength of Materials and Design.

Gujarat GSECL JE Electrical Engineering Syllabus

- Measurement and Measuring Instruments.
- Magnetic Circuits.
- Basic Electronics.
- Power Electronics and drivers.
- Basic Electrical Engineering Concepts.
- Electrical Machines.
- AC Fundamental.
- Power Systems.
- Analog and Digital Electronics.
- Utilization of Electrical Energy.
- Estimation and Costing.
- Network Theory etc.