

View GESCOM Exam Pattern For Exam

S. No.	Exam Type	Name of the Subjects
1.	Objective Type	Reasoning
2.		Aptitude
3.		General Knowledge
4.		Concerned Subjects
5.		English

GESCOM Syllabus -Topic Wise

Civil Engineering

- Hydraulic Structures.
- Soil Mechanics and Foundation Engineering.
- Transportation Engineering.
- Environmental Engineering.
- Surveying.
- Steel Structures.
- PSC Structures.
- Fluid Mechanics.
- Hydrology & Water Resources Engineering.
- Construction and Project Management.
- Environmental Studies
- Bridge Engineering.
- Estimation, Costing, and Specifications.
- Civil Engineering Materials and Construction.
- Solid Mechanics, Structural Analysis.
- Concrete Technology.
- Reinforced Concrete Structures.

[Prepare Online Mock Test Here](#)

Electrical Machines

- D.C. Machine
- 1 phase and 3 phase transformers.

- Parallel operation of 1 phase /3 phase transformers.
- Autotransformers.
- 3 phase induction motors.
- Characteristics and applications.
- Starting and applications of synchronous motors.

Practise GK Mock Test Questions

Power Generation, Transmission, and Distribution

- Different types of power stations.
- Power factor improvement.
- Switch gears.
- Cable; Different type of cables
- Cable rating, & derating factor.

Practise Current Affairs Mock Test Questions

Estimation and costing

- Evaluation of lighting scheme
- Electric installation of machines and relevant IE rules.
- Earthing practices and IE Rules.

Utilization of Electrical Energy Syllabus

- Illumination, Electric heating.
- Electroplating, Electric Welding.
- Electric drives and motors.

Basic concepts

- Concepts of resistance, inductance, capacitance.
- Concepts of current, voltage, power, energy and their units.

Practise Aptitude Mock Test Questions

Circuit Law

- Kirchhoff's law.
- Simple Circuit solution using network theorems.

Magnetic Circuits

- Concepts of flux, MMF, Different kinds of magnetic materials, reluctance, Magnetic calculations.
- Electromagnetic induction, self, and mutual induction.

AC Fundamentals

- Poly Phase system
- Star and delta connection
- 3 phase power
- DC and sinusoidal response of RL and RC circuit.

Practise English Mock Test Questions

Measurement and Measuring Instruments

- Power Measurement and energy,
- Two wattmeter method of 3 phase power measurement.
- Measurement of frequency.
- Ammeter and voltmeter.
- Extension of range wattmeter.
- Megger, Multimeters, Energy meter AC Bridges.
- Signal Generator, Use of CRO, CT, PT & their applications.

Practice Reasoning Mock Test Questions