

# GSSSB AAE Electrical Syllabus 2025

## PART A (60 Marks)

(1) Reasoning & Data Interpretation (30 Questions, 30 Marks)

1. Problems on Ages
2. Venn Diagram
3. Visual Reasoning
4. Blood Relation
5. Arithmetic Reasoning
6. Data Interpretation (charts, graphs, tables)
7. Data Sufficiency

(2) Quantitative Aptitude (30 Questions, 30 Marks)

8. Number Systems
9. Simplification and Algebra
10. Arithmetic and Geometric Progression
11. Average
12. Percentage
13. Profit-Loss
14. Ratio and Proportion
15. Partnership
16. Time and Work
17. Time, Speed and Distance
18. Work, Wages and Chain Rule

## PART B (150 Marks)

(1) Constitution of India (10 Questions, 10 Marks)

- Preamble of the Constitution
- Fundamental Rights
- Directive Principles of State Policy
- Fundamental Duty
- Power, Role and Responsibility of President, Vice President and Governor
- Parliamentary System
- Amendments, Emergency Provisions
- Centre – State Government and Their Relation
- Judicial System
- Constitutional Bodies

(2) Current Affairs (10 Questions, 10 Marks)

- Current Events of State, National and International Importance

(3) Comprehension (Gujarati 5 marks & English 5 marks)

- To Assess Comprehension, Interpretation and Inference Skills
- Paragraph with set of questions or assertion type

(4) Electrical Engineering Subject (120 Questions, 120 Marks)

1. Introduction to Electric Generation Systems
2. Electric Circuits
3. Electric Motors and Transformers
4. Power Transmission and Distribution
5. Induction, Synchronous & Special Machines
6. Power Electronics
7. Microcontroller Applications
8. Electrical & Electronic Measurements
9. Renewable Energy Power Plants

10. Switchgear & Protection
11. Energy Policies & Acts (Gujarat & India)
12. Building Electrification & Installations
13. Current Trends and Recent Advancements