

ELECTRICAL MAINTENANCE

SYJC SCIENCE - SYLLABUS

PAPER – I

- 1) Symbols used in electric circuit
- 2) Circuit diagrams and panel wiring diagrams
- 3) Fuses
- 4) Conductors , Gauge of conductors and Insulators, High resistance heating elements
- 5) Types of wires and wiring accessories
- 6) Wiring systems
- 7) House, Go down, HT wiring systems and wiring diagrams, IE rules.
- 8) Under Ground cables
- 9) Illumination
- 10) Electrical Appliances

PAPER – II

- 1) Transformer
- 2) Three phase Induction Motors
- 3) Single Phase Motors
- 4) Synchronous Motors
- 5) Electrical Measuring Instruments
- 6) Electric Heating
- 7) Parallel operation of three phase alternators
- 8) H.V. Substation
- 9) Maintenance
- 10) Miscellaneous