



St. Michael Polytechnic College

St. Santhiyagappar Nagar
Kalayarkoil-630 551.



DEPT: EEE

YEAR/SEMESTER: III / V

SUB.NAME: Power system I

Each question carries 1(one) mark in PART-A and 12(twelve) marks in PART-B

PART-A

1. State the conventional sources of power generation.
2. What is load curve?
3. What is maximum demand?
4. What is demand factor?
5. What is plant capacity factor?
6. What is base load plant?give examples.
7. What is diversity factor?
8. What are the advantages of fuel cell?
9. What is stand alone system?
10. List the advantages of interconnected grid system.

PART B

1. Draw and explain the schematic arrangement of thermal power plant.
2. Draw and explain the schematic arrangement of hydro power plant.
3. Draw and explain the schematic arrangement of nuclear power plant.
4. List and explain the advantages of interconnected system.
5. Explain the load sharing between the base and peak load plants.
6. Explain the principle of operation of fuel cell.