



**G.S.Mandal's
Marathwada Institute of Technology, Aurangabad.
Department of Electrical Engineering**

Unit -1 Question Bank

Que:1 Explain the layout of a thermal power along with its components with a neat diagram.
{5 Marks}

Que2: Explain the following components of a thermal power plant **{15 Mark}**

- i) Boilers
- ii) Fuel Economization
- iii) Condenser and Cooling tower

Que:3 Explain the layout of a hydel power along with its components with a neat diagram.
{5 Marks}

Que4: Explain the following components of a hydel power plant **{10 Mark}**

- i) Penstock
- ii) Surge Tank
- iii) Spillway
- iv) Draft Tube

Que:5 Give the classification of hydel plant on the basis of the following: **{10 Marks}**

- i) Quantity of Water
- ii) Head
- iii) Capacity of plant

Que:6 What is a base load and a peak load plant? Why do thermal plants operate on base load **{5 Marks}**

Que:7 Give the classification of turbines? **{5 Marks}**

Que: 8 Explain Hydrographs and Hydro cycles? **{5 Marks}**

Que:9 What is load duration curve? What do you mean by connected load, demand factor, load factor and plant capacity factor? **{5 Marks}**

Que:10 How is a power plant economics decided based on different types of cost? How do you select the no. of generating units? **{5 Marks}**