

**Answer the Following Questions**

**(1) Discuss The Following:**

- Efficiency of thermal Plant doesn't exceed 30%. Also mention the modifications to improve it.
- The relation between demand factor and diversity factor in power system.

(2) The yearly load duration curve of a power plant is a straight line between the highest and the lowest values of 30 MW and 20 MW respectively. The capacity of the plant is 35MW. Find the following:

Capacity Factor, Load Factor, Utilization Factor, Reserve Capacity.

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