



Question No 1 (CLO -1)

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- A. What is meant by electricity tariff, explain different classes of tariff with examples?
B. Define Load Factor, Diversity Factor, Plant Capacity Factor and Plant Use Factor?

Question No 2 (CLO-2)

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- A. A power station has to supply load as follows:

Timings	KW
11 pm to 5 am	500
5 am to 6 am	750
6 am to 7 am	1000
7 am to 9 am	2000
9 am to 12 noon	2500
12 Noon to 1 pm	1500
1 pm to 5 pm	2500
5 pm to 7 pm	2000
7 pm to 9 pm	2500
9 pm to 11 pm	1000

For the given data above draw the load curve. Select the number and size of generator units to supply this load. Find the reserve capacity of the plant required. Calculate the plant capacity factor. Determine the operating schedule of the units in the station. Calculate the plant factor?