Faculty of Engineering at Soubra	Benha University	3 rd year Elec. Power.
Elec. Engineering Department	Economic Energy	Mid-Term Exam: Dec, 2011

Answer the Following Questions

(1) <u>Discuss The Following:</u>

- Efficiency of <u>thermal</u> Plant doesn't exceed 30%. Also mention the <u>modifications</u> 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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