

- 8 a. What is Tariff? Explain different types of Tariffs. 10
- b. Explain load duration curve. 6
- c. A generating station has a maximum demand of 500 MW. The annual load factor is 50% and capacity factor is 40%. Find the reserve capacity of the plant. 4

UNIT - V

- 9 a. Explain resistance grounding. Mention its merits and demerits. 10
- b. Define power factor. What are the disadvantages of low power factor? How power factor can be improved by synchronous condenser method? Explain. 10
- 10 a. Explain earthing transformer in detail. 10
- b. What is grounding? Explain Resonant grounding. Also explain Arc suppression coil. 10

* * *