

Writing Space

ALTERNATOR

ASSIGNMENT

EG-11

5TH SEMESTER

- 1) What are the two types of turbo alternators? Explain it briefly?
- 2) What is Ampere-turn method?
- 3) Draw the phasor diagram of salient pole synchronous machine?
- 4) What are conditions required for paralleling alternators?

Synchronous MOTOR

- 1) Power flow within a synchronous motor?
- 2) Explain effect of changing excitation of constant load.
- 3) Explain different torques of a synchronous motor.
- 4) Explain inverted 'V' curve of synchronous motor.

3 ϕ Induction motor

- 1) What is the difference of slip ring and squirrel cage induction motor?
- 2) What is slip and rotor current frequency?
- 3) Explain torque and speed curve of 3 ϕ I.M

1 ϕ Induction motor

- 1) What is capacitor start motor, torque & speed characteristics.
- 2) Explain universal motor, application
- 3) Explain capacitor start, capacitor run type motor, characteristics.
- 4) What is repulsion motor.

Stepper motor

- 1) What is stepper motor? Explain step angle?
- 2) Explain types of stepper motor.
- 3) Comparison between VR Stepper motor & SR motor.
- 4) What is A.C Servomotor?

TRANSFORMER

- 1) Explain parallel operation of single phase transformer?
- 2) Explain o.c test and s.c test of transformer
- 3) Why transformer ratings is KVA?
- 4) Explain Sumpner test of transformer