

Electrical Engineering Synchronous Motors Questions & Answers Pdf

1. Synchronous motors are generally not self starting because
 - a. the direction of rotation is not fixed
 - b. the direction of instantaneous torque reverses after half cycle
 - c. starters cannot be used on these machines
 - d. starting winding is not provided on the machines

Ans: B

2. A synchronous motor can develop synchronous torque
 - a. when under loaded
 - b. while over excited
 - c. only at synchronous speed
 - d. below or above synchronous speed

Ans: C

3. A three phase synchronous motor will have
 - a. no slip rings
 - b. one slip ring
 - c. two slip rings
 - d. three slip rings

ans: C

4. The angle between the rotor poles and stator poles in a synchronous motor is known as
 - a. power factor angle
 - b. torque angle
 - c. synchronizing angle
 - d, angle of retardation

Ans: B

5. A synchronous motor can be used as a synchronous capacitor when it is
 - a. under loaded
 - b. over loaded
 - c. under excited
 - d. over excited

Ans: D