

Name: **SOLUTION**

Reg. No: _____

1. The maximum torque produced by a stepper motor at stand still is called as
 - A. pull-in torque
 - B. pull-out torque
 - C. holding torque**
 - D. starting torque

2. Stepper motors are mostly operated in
 - A. open loop mode**
 - B. closed loop mode
 - C. both open loop and closed loop mode
 - D. active mode

3. Find the step angle of a three phase stepper motor which 12 rotor teeth in it?
 - A. 30
 - B. 25
 - C. 20
 - D. 10**

4. Controlling the two phase bipolar stepper motor requires
 - A. change in field coil and excitation
 - B. change in polarity**
 - C. both field coil excitation and change in polarity
 - D. three phase supply

5. In a stepper motor the speed is directly proportional to the frequency of input electrical pulses **True**

6. The torque of the stepper motor decreases with increase in speed. - **True**

7. The output of resolver is measured in
- A. volts
 - B. amps
 - C. degrees
 - D. steps
8. A _____ motor converts electronic digital signals into fixed increments of positional movement
- A. Stepper
 - B. DC
 - C. Servo
 - D. PMDC
9. A stepper motor that operates at a step angle of 12 degrees will rotate at what rpm if it has a stepping rate of 360?
- A. 480
 - B. 720
 - C. 1200
 - D. 1500
10. A stepper motor in the slew mode cannot stop or reverse direction instantaneously. -
True
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