

Item Bank ID**403148****Item Bank Name****Power Electronics Controlled Drives 2015 pattern**

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
In DC Motor the starting current is limited by using an additional resistance	in series with armature	In parallel with armature	in series with field winding	in series with armature as well as field
During braking when energy is dissipated in a resistance then it is called as	Regenerative Braking	Rheostatic braking	Plugging braking	Electric Braking
A separately excited Dc motor when fed from 1 phase full converter with firing angle 60 degrees runs at 1000 rpm. At what speed the motor would run if it is connected to 1 phase semiconverter with the same firing angle	2000 rpm	1500 rpm	1450 rpm	1000 rpm
A 220 volt 875 rpm 150 ampere separately excited DC motor is fed from a 1 phase fully controlled rectifier with an AC source voltage of 220 volt 50 Hz and armature resistance of 0.6 ohm. Calculate firing angle for rated motor torque and 750 rpm	16.09 degrees	15.4 degrees	17.04 degrees	12.1 degrees
A 220 volt 875 rpm 150 ampere separately excited DC motor is fed from a 1 phase fully controlled rectifier with an AC source voltage of 220 volt 50 Hz and armature resistance of 0.6 ohm. Calculate firing angle for rated motor torque and -500 rpm	49 degrees	44 degrees	55 degrees	60 degrees
Servo motors are an example of which type of load?	Pulsating loads	Short time loads	Impact loads	Short time intermittent loads

What is the phase difference between two windings of A.C servomotor ?	30°	60°	90°	120°
A _____ translates signals from the controller into the motor voltage and current signals.	Servo motor	Servo amplifier	AC motor	DC motor
Motors used for electronic actuator drives	AC servo motors	DC servo motors	Stepper motors	All of the mentioned
What is the value of steady state error in closed loop control systems?	Zero	Unity	Infinity	Unpredictable
which of the following machines has a heavy fluctuation of machines	Printing machine	Punching machine	Planer	Lathe
Heavy Duty cranes are used in	Heavy engineering workshop	Steel plants	Ore handling plants	All of the above
Which feature while selecting a motor for centrifugal pump will be of least significance?	Starting characteristics	Operating speed	Horse power	Speed control
The load cycle for a motor driving a power press will be	variable load	continuous load	continuous but periodical	intermittent and variable load
Light duty cranes are generally used in	Power houses	Pumping stations	Auto mobile workshops	All of the above
In motor, the static frequency changers are used for	Power factor management	Improved cooling	Reversal of direction	Speed Regulation
While selecting an electric motor for a floor mill, which electrical characteristics will be of least significance?	Running characteristics	Starting characteristics	Efficiency	Braking
The frequency of rotor current in an induction motor is	slip times the frequency of	slip times the frequency of supply	One by slip times the frequency of stator current	One by slip times the frequency of supply

	stator current			
Smooth speed control can be achieved by	Rotor resistance control only	Rotor slip power control only	Variation of supply frequency only	Both rotor slip power control and variation of supply frequency
In rotor resistance control method _____ with the increase in speed	Torque increases	Torque decreases	Slip increases	Losses increase