

Power Electronics

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
the energy efficiency of fluorescent lighting can increased by	increasing current	decreasing frequency	increasing voltage	increasing frequency
SMPS is used for	obtaining controlled ac power supply	obtaining controlled dc power supply	storage of dc power	switch from one source to another
SPMS are based on the principle of	phase control	integral control	Choppers	Mosfet
Which power supply is used for critical loads where temporary power failure can cause a great deal of inconvenience.	SMPS	UPS	Regulated Power Supply	Switch mode Regulator
Choose the incorrect statement.	SMPS has very high efficiency	SMPS is smaller as compared to rectifiers	SMPS is complicated circuit.	SMPS is very simple circuit.
An ideal regulated power supply is one which has Line regulation of	100%	5%	10%	0%
The No Load Voltage is measured for the value of load Resistance at the OutPut of	Zero Ohm	Infinity	Ten Kilo Ohm	One kilo ohm
DC Motor dose not consist	Capacitor	Permenent Magnet	Armature Coil	Contact Brushes
Duty Cycle is given by equation	$T_{on} / T_{on} + T_{off}$	$T_{off} / T_{on} + T_{off}$	$T_{on} + T_{off} / T_{on}$	$T_{on} + T_{off} / T_{off}$
In Chopper PWM Control means	Pulse Width Modulation	Pulse Wavelength Modulation	Pulse Width Modification	Postion Width Modulation
AC Motors works on the Principal of MMF means	Magneto Motive Force	Mutual Motive Force	Magneto Modified Force	Magneto Motive Friction
AC voltage controllers convert	fixed AC to fixed DC	variable AC to variable DC	fixed AC to variable AC	variable AC to fixed AC
A Current Source Inverter converters	the input dc current to an ac current at output	the input ac current to dc current at output	the input dc current to amplified dc current at the output	the input ac current to amplified ac current at the output

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The load voltage of a chopper can be controlled by varying the	Duty cycle	firing angle	reactor position	extinction angle
AC Motor dose not consist	Capacitor	Permenent Magnet	Armature Coil	Stationary Coil
The Capacitor is Connected to windings of	AC Motor	DC Motor	Stepper Motor	BothDC motor and Stepper Motor
AC motots have	Armature winding	Stator winding	Rotar winding	Stator and Rotor winding
Fluorescent lamps exhibit	a negative resistance characteristic	increasing resistance characteristic	positive and negative resistance characteristic	a positive resistance characteristic
Fluorescent lamps requires	inductive ballast in parallel	inductive ballast in series	capacitor in series	resistor in series
In electric welding voltage and current ratings are	10V-50A DC	50V-500A DC	50V-500A AC	50V-50A DC
Armature of Synchronous motor is identical with	stator of induction motor	rotor of induction motor	armature of dc motor	field winding of rotor
In SMPS, which type of transformer is used after invertor?	step down	High frequency isolation	step up	center tap
Which type of transfoimer is used in feedback loop of SMPS?	step down	Isolation	step up	center tap
The switching element of SMPS is	completely ON	operated in active region	either on or off completely	completely off
Induction heating takes place in	conducting but non-magnetic materials.	conducting materials which may be either magnetic or non-magnetic materials.	Insulating materials.	conducting and magnetic materials.

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In induction heating, which of following is of high value	Voltage.	Current.	Frequency.	Power factor.
The factors governing the induction heating are	Resistivity	Relative permeability	Magnetic field intensity	All Three
Induction heating is a type of	zero frequency heating	high frequency heating	power frequency heating	none of the mentioned mention.