

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	if time constant in RC series circuit is small, then capacitor is charged or discharged.	A. Slowly B. Rapidly C. At constant rate D. Intermittently
2	Absorbed Dose 'D' is defined as	A. m/E B. E/C C. C/m D. E/m
3	Electric potential at a distance "r" from "q" is:	A. $V_{r} = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ B. $V_r = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ C. $V_{r} = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ D. $V_{r} = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$
4	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
5	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
6	the number of terminals in a semiconductor diode are	A. 2 B. 3 C. 4 D. 5
7	Which diode works at reverse biasing.	A. LED B. Photo voltaic cell C. Photo diode D. Silicon diode
8	Charge on an electron was determined by	A. Ampere B. Millikan C. Maxwell D. Bohr
9	The middle region of electric field is:	A. Maximum field spot B. Zero field spot C. Perpendicular field spot D. All of above
10	When a coil is moved in a uniform magnetic field, an induced emf is produced due of change in	A. Flux density B. Electric flux C. Magnetic flux D. Magnetic field strength
11	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
12	A rheostat can operate as.	A. Amplifier B. Potential divider C. Oscillator D. Transformer
13	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. α -particles B. β -particles C. Y-rays D. All
14	Two resistance of 2 Ohm each are connected in parallel combination equivalent resistance will be.	A. 4 Ohm B. 2 Ohm C. 1 Ohm D. 8 Ohm
15	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers

		D. Both a and b
16	An electron moves at 2×10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. 1×10^{-6} N B. 6.4×10^{-17} N C. 3.6×10^{-24} N D. 4×10^{-6} N
17	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum D. infinity
18	High frequency radio wave is called as	A. Fluctuate B. Carrier wave C. Matter wave D. Mechanical wave
19	For workers in nuclear facilities is, a weekly does of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv
20	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)