

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The "toner" of photocopier is given:	<p>A. Positive charge B. Negative charge C. Remains neutral D. All of above&nbsp;</p>
2	If a step up transformer were 100% efficient the primary and secondary winging's would have the same.	<p>A. Current B. Power C. Voltage D. Direction of winding</p>
3	In photocopier, then drum is coated with layer of.	<p>A. Aluminium B. Copper C. Selenium D. silver</p>
4	Anti particle of electron is	<p>A. Proton B. Photon C. Neutron D. Positron</p>
5	The motional emf developed in a conduction depends upon.	<p>A. Length B. Orientation C. Magnetic field D. All of the above</p>
6	split rings are used in	<p>A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor</p>
7	The SI unit of magnetic permeability is.	<p>A. $\text{WbA}^{-1}\text{m}^{-1}$ B. Wbm^{-2} C. WbmA^{-1} D. WbAm^{-1}</p>
8	The resistivity of two wires is ρ_1 and ρ_2 which are connected in series. If there dimentions are same then the equivalent resistivity of the combination will be:	<p>A. $\left(\frac{\rho_1}{2} + \frac{\rho_2}{2}\right)$ B. $\frac{\rho_1 + \rho_2}{2}$ C. $\frac{\rho_1 + \rho_2}{4}$ D. $\frac{\rho_1 + \rho_2}{2}$</p>
9	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	<p>A. 1 V B. 2 V C. Zero D. V/2</p>
10	1 rem =	<p>A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV</p>

11	By winding the coil around a less magnetic core, self induction.	<p>A. Will increase B. Will decrease C. Remain same D. First increase then decrease</p>
12	Energy density in an inductor is.	<p>A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field</p>
13	Photodiode is used for:	<p>A. Detection of current B. Detection of heat C. Detection of light D. Both a & b</p>
14	$X_L =$	<p>A. $2\pi fL$ B. $1/2\pi fL$ C. $2\pi fL$ D. $fL/2\pi$</p>
15	With the speed of motor, magnitude of back emf	<p>A. Remain same B. Increase C. Decrease D. First increases then decreases</p>
16	A positron is an anti particle of.	<p>A. Proton B. Electron C. Neutron D. Photon</p>
17	Which of the following are not hadrons.	<p>A. Muons B. Mesons C. Positrons D. Neutrons</p>
18	A metal rod of 1 m is moving at a speed of 1 ms ⁻¹ in a direction making an angle 30° with 0.5 T magnetic field . The emf produced is.	<p>A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V</p>
19	Compton shift is maximum for scattering angle of photon	<p>A. 0° B. 90° C. 180° D. 45°</p>
20	The fact that electric field exist in space around an electrical charge is	<p>A. Electrical property B. Gravitational property C. Intrinsic property of nature D. Extrinsic property of nature</p>