

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Specific resistance of a material depends upon.	A. Length B. Area <b>C. Temperature</b> D. Both A and B
2	A rheostat can be used as variable resistor as well as a-----	<b>A. Potential divider</b> B. Current divider C. Wheat stone bridge D. Power divider
3	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum <b>C. Energy</b> D. Angular momentum
4	The illustration of the phenomenon of mutual induction is in the device of	<b>A. Transformer</b> B. Inductor C. A.C. Generator D. Ammeter
5	The most abundant isotope of neon is:	A. Neon 21 <b>B. Neon 20</b> C. Neon 22 D. None of above
6	A proton is about 1840 time than an electron. When it is accelerated by a potential difference of 1 kV, its kinetic energy will be:	A. 1884 keV B. 1/1840 keV <b>C. 1 keV</b> D. 920 keV
7	The dimension of stress is	<b>A. <math>[MLT^{-1}]</math></b> B. $[ML^{-1}T]$ C. $[ML^{-1}T^{-1}]$ <b>D. <math>[ML^{-1}T^{-2}]</math></b>
8	The electric field created by positive charge is:	<b>A. Radially outward</b> B. Circular C. Radially inward D. Zero
9	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production <b>C. Photoelectric effect</b> D. None of above
10	The magnitude of motional emf is given by	
11	If we make magnetic field stronger the value of induced current is.	A. Decreased <b>B. Increased</b> C. Vanishes D. Remain constant
12	Grid in cathode ray oscilloscope controls.	<b>A. Number of electron</b> B. Temperature of filament C. Frequency of electron D. Energy of electrons
13	The value of Rydberg constant is:	A. $1.0749 \times 10^7 \text{ m}^{-1}$ <b>B. <math>1.0974 \times 10^7 \text{ m}^{-1}</math></b> C. $1.974 \times 10^6 \text{ m}^{-1}$ D. $1.0974 \times 10^{-7} \text{ m}^{-1}$
14	Domains are existed in	<b>A. Ferromagnetic materials</b> B. Paramagnetic materials C. Semi conductors D. Diamagnetic materials
		A. X rays

15	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	B. Gama rays C. Heat Radiation D. Ultraviolet rays
16	The energy equivalent of 1 kg of matter is about:	A. $10^{-15}$ J B. 1 J C. $10^{-12}$ J D. $10^{-17}$ J
17	If the medium between the charges is not free space then electrostatic force will be	A. Increase B. Decrease C. Remain same D. None of these
18	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
19	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
20	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum