

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The force which is responsible for the breaking up of the radioactive element is.	A. Weak nuclear force B. Strong nuclear force C. Electromagnetic force D. Gravitational force
2	Step up transformer is used.	A. Step up D.C. voltage B. Step up A.C. voltage C. Step up both A.C and D.C. D. Step up A.C. current
3	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production C. Photoelectric effect D. None of above
4	The radius of hydrogen atom is:	A. 0.53\AA B. 0.053\AA C. 0.53×10^{-9} D. 0.053×10^{-9}
5	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
6	Output resistance of an op amp is	A. High B. Low C. Zero D. Equal to input resistance
7	The sum of positive and negative peak value called.	A. R.M.S. value B. P-P value C. Peak value D. Average value
8	Energy stored in an inductor is:	A. $\frac{1}{2}L^2$ B. $\frac{1}{2}L^2/I$ C. $\frac{1}{2}LI^2$ D. $\frac{1}{2}LI$
9	For inducing emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both (b) and (c) are true
10	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
11	An expression for gain of an inverting amplifier is	C. $\frac{R_1}{R_2}$ D. None of these
12	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
13	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
14	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
15	A Current flowing towards the reader is denoted by.	A. Cross B. a bracket C. A dot D. Positive sign
		A. $1.6 \times 10^{-19} \text{C}$

16	The $1\text{eV} =$	B. $1.6 \times 10^{-11}\text{J}$ C. $1.6 \times 10^{-19}\text{J}$ D. $1.6 \times 10^{-11}\text{C}$
17	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. Zero D. Maximum
18	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
19	The unit for Plank's constant is:	A. Js^{-1} B. Jm C. Js D. Jm^2
20	Domains are existed in	A. Ferromagnetic materials B. Paramagnetic materials C. Semi conductors D. Diamagnetic materials