

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Shunt resistance is	A. Low resistance B. Zero resistance C. High resistance D. Impedance
2	Half life of radon gas is	A. 3.8 minutes B. 3.8 days C. 3.8 months D. 3.8 years
3	The early Greeks believed that matter waves was	A. Discrete B. Continuous C. Both continuous and discrete D. All of above
4	The gain of transistor amplifier depends upon	A. Resistance connected with collector B. Resistance connected with base voltage C. Input voltage D. Output voltage
5	The mass of beta particle is equal to the mass	A. Proton B. Neutron C. Electron D. Photon
6	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon
7	Energy density in an inductor is.	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
8	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
9	Flux through any closed surface is:	A. $\frac{1}{\epsilon_0} \times \text{total charge enclosed in it}$ B. $\epsilon_0 \times \text{total charge enclosed in it}$ C. $\frac{1}{\epsilon_0} \times \text{total charge enclosed in it}$ D. $\epsilon_0 \times \text{total charge enclosed in it}$
10	In frequency modulation, the amplitude of carrier waves is	A. Increases B. Remains constant C. Decreases D. None of these
11	In A.C circuit through a capacitor which one is:	A. Current leads voltage by 90° B. Current lags behind voltage by 90° C. Both will be in phase D. None of above
12	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
13	$X_L =$	A. $2\pi fL$ B. $\frac{1}{2\pi fL}$ C. $2\pi fL$ D. $\frac{1}{2\pi fL}$

14	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
15	The unit of conductivity is:	A. $\text{Ohm}^{-3}\text{m}^{-1}$ B. Ohm m^{-1} C. Both a and b D. Ohm m^{-1}
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	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
18	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
19	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$ A
20	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm