

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	One use of a single p-n junction semiconductor in an electrical circuit is a	A. Rectifier B. Transistor C. Battery D. Diode
2	Gamma radiations are emitted due to:	A. De-excitation of atom B. De-excitation of nucleus C. Excitation of atom D. Excitation of nucleus
3	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
4	The solid with definite M.L are called:	A. Crystalline B. Amorphous C. Polymeric D. None of above
5	The value of capacitive reactance is given by	A. $X_c = VI$ B. $x_c = 1/wc$ or $x_c = wL$ C. $x_c = 1^*wc$ or $x_c = Lw$ D. All of above
6	In pure capacitor A.C. circuit, the current I and charge q are.	A. In phase B. Out of phase C. Parallel to each other D. None of above
7	If a charge Q flows through any cross section of the conductor in time t, the current I is	A. $I = Qt$ B. $I = Q/t$ C. $I = Q^*t$ D. $I = Q \cdot t$
8	The Grid 'G' in cathode ray oscilloscope.	A. Accelerate as well as focus electron beam B. Control no. of electrons beam C. Is at - Ve potential with respect to cathode. D. Both d and b
9	Hydrogen bomb is an example of.	A. Nuclear fission B. Nuclear fusion C. Chain reaction D. Chemical reaction
10	The mass of an object will be doubled at speed.	A. $2.6 \times 10^{18} \text{ m/s}$ B. $1.6 \times 10^{18} \text{ m/s}$ C. $2.6 \times 10^{17} \text{ m/s}$ D. $3.6 \times 10^{17} \text{ m/s}$
11	$B^2/2\mu_0$ is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
12	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Infrared region
13	Charge on positron is:	A. Negative B. Positive C. Netural D. None of these
14	X-rays were discovered by	A. Curie B. Henry Becquerel C. Rontgen D. None of these
15	Charge on an atom is:	A. Positive B. Negative C. Neutral

		D. None of these
16	S.I unit of strength of electric field is	A. J/C B. C/V C. V/C D. N/C
17	Internal frame is a frame is which	A. 1st law holds B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
18	In current carrying long solenoid the magnetic field produced does not depend upon	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of above
19	Closeness of the electric field lines is the measure of.	A. Direction of field B. Strength of field C. Potential difference D. Uniformity of field
20	SI unit of henry which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA