

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A pair of quark and anti quark makes a.	A. Meason B. harden C. Lapon D. Baryon
2	The unit for Plank's constant is:	A. $J s^{-1}$ B. Jm C. $J s$ D. $J m^2$
3	The electrostatic force between two charges is 42 N, If we place a dielectric of $E_f=2.1$ between the charges then the force become equal to.	A. 42 N B. 88.2 N C. 20 N D. 2 N
4	The converses of annihilation of matter is:	A. Photoelectric effect B. Relativistic effect C. Pair production D. Compton effect
5	In the capacitive circuit of A.C. quantity when $q=0$ the slope of $q-t$ curve is.	A. Maximum B. Minimum C. Zero D. Negative
6	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Thermistor
7	Power dissipation in A.C circuit is expressed as:	A. $P = I_{rms} \times V_{rms} \sin \theta$ B. $I V \cos \theta$ C. $I_{rms} \times V_{rms} \cos \theta$ D. $I_{rms} \times V_{rms} \sin 2\theta$
8	Minimum energy needed to escape an electron ofrm metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
9	The magnetic field is uniform and stronger	A. Outside the solenoid B. Inside the solenoid C. At the central part of the solenoid D. None of these
10	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
11	Which of the modulus of elasticity is involved in compressing a rod to decrease its length ?	A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these
12	In an nihilation emitted photons moves in opposite directions to conserve.	A. Mass B. Charge C. Energy D. Momentum
13	Resistance of choke is	A. zero B. Large C. Very small D. Infinite
14	The effective way to increase the sensitivity of moving coil galvanometer is.	A. Increase the area of coil B. Increase the number of turn C. Increase the magnetic field D. Increase the value of constant C
		A. Remain same

15	If speed of rotation of a generator is doubled the output voltage will be.	<p>B. Double</p> <p>C. Four time</p> <p>D. One half</p>
16	A pentavalent impurity in Si	<p>A. a free electron and a free hole</p> <p>B. a free hole</p> <p>C. a free electron</p> <p>D. No free particle</p>
17	Two up quarks and one down quarks makes a	<p>A. Proton</p> <p>B. Newton</p> <p>C. Photon</p> <p>D. Meson</p>
18	The value of Stefan is constant is:	<p>A. $4.57 \times 10^{-8} \text{ m}^2/\text{s}^2 \text{ K}^2$</p> <p>B. $5.67 \times 10^{-8} \text{ W m}^{-2} \text{ K}^{-4}$</p> <p>C. $6.67 \times 10^{-11} \text{ W m}^2/\text{s}^2 \text{ K}^4$</p> <p>D. $7.45 \times 10^{-9} \text{ m}^2/\text{s}^2 \text{ K}^3$</p>
19	Magnetic induction can be measured in units of.	<p>A. Tesla</p> <p>B. Gauss</p> <p>C. Weber/m²</p> <p>D. All of the above</p>
20	The AC system is preferred to DC system because:	<p>A. AC voltage can be easily changed in magnitude</p> <p>B. DC motor angular velocity is affected badly</p> <p>C. High voltage AC transmission is less efficient</p> <p>D. Domestic appliance require AC voltage for their operation</p>