

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In Compton scatting, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. 90 ^o C B. Zero C. 120 ^o C D. 45 ^o C
2	Curie is unit of.	A. Conductivity B. Binding energy C. <div>Radioactivity</div> D. Resistivity
3	lodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
4	Electromagnetic induction obeys law of conservation	A. Charge B. Energy C. Momentum D. Mass
5	A step up transformer is used 120 V line to provide 240 V. If primary coil has 100 turns the number of turns is secondary is.	A. 50 B. 100 C. 150 D. 200
6	In current carrying long solenoid the magnetic field produced does note depend upon	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of above
7	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
8	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
9	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
10	Torque is produced in a current carrying coil when it is placed in a	A. Magnetic field B. Electric field C. Gravitational field D. Nuclear field
11	Selenium is a	A. Insulator B. Photoconductor C. Conductor D. First insulator then conductor
12	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same D. None of above
13	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 st orbit B. 2nd orbit C. 3rd orbit D. 4th orbit
14	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve C. Sine curve D. Tangent curve
15	By emitting Beta particle and gama particle simultaneously the nucleolus changes in its charges by	A. N B. N/2 C. N/4

		D. 3N/4
16	An atom can reside in excited state for	A. 10 ⁻⁸ second B. One second C. 10 ⁻¹⁰ second D. More than one second
7	An in cudutor may store energy in	A. Its magnetic field B. Its coil C. Its electric field D. A neighboring circuit
8	Energy needed to produce an electron hole in solid state detector is.	A. 1 to 2 eV B. 3 to 4 eV C. 6 to 7 eV D. 8 to 9 eV
9	The combined effect of resistance and reactance in circuit is called:	A. Impedance B. Inductance C. Capacitance D. None of above
0	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4