

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Before and after nuclear reaction the number of protons and neutrons:	A. Must be different B. Must be decreased C. Must be increased D. Remains same
2	substance which undergo plastic deformation until they break are known as.	A. Brittle substances B. Ductile substance C. Non magnetic substance D. Magnetic substance
3	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. $90^\circ < \theta < 90^\circ$ B. Zero C. $120^\circ < \theta < 180^\circ$ D. $45^\circ < \theta < 90^\circ$
4	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
5	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
6	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
7	1 amu is equal to	A. 1.0606×10^{-27} kg B. 1.66×10^{-31} kg C. 1.66×10^{-34} kg D. 1.66×10^{-19} kg
8	the force between two charge is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N
9	A pair of quark and anti quark makes a.	A. Meason B. harden C. Laption D. Baryon
10	Frequency of x-rays depends upon.	A. Number of electrons striking target B. Accelerating potential C. Nature of the target D. Both B and C
11	The amount of energy equivalent to 1 a.m.u is	A. 931.5 MeV B. 93.15 MeV C. 9.315 MeV D. 2.224 MeV
12	An electric field cannot deflect	A. X-rays B. α -particles C. β -particles D. None of these
13	Two parallel wires carrying currents in the opposite direction.	A. Repel each other B. Attract each other C. Have no effect upon each other D. They cancel out their individual magnetic fields.
14	Which of the following is typical source of alpha particle.	A. Strontium -94 B. Radon -222 C. Cobalt -60 D. Zic sulphate
15	If V_{rms} be the root mean square value of emf then its peak to peak value is given by	A. Zero resistance

16	When Ohm meter gives full scale deflection it indicates.	B. Infinite resistance C. Small resistance D. Very High resistance
17	When an electron in an atom goes from a lower to higher orbit its:	A. K.E increases , P.E decreases B. K.E increases , P.E increases C. K.E decreases , P.E increases D. K.E decreases , P.E decreases
18	The mass spectrum of naturally occurring neon, showing	A. 1 isotope B. 2 isotope C. 3 isotope D. 4 isotope
19	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
20	Out of the following which material is brittle.	A. Wrought iron B. Copper C. Tungsten D. High steel carbon