

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Eintein's Photoelectric equation is $E_k = hf - \phi$ in this equation E_1 , refers to:	<p>A. K.E of al the emitted electrons B. Mean K.E of emitted electrons C. Maximum K.E of emitted electrons D. Minimum K.E of emitted electrons</p>
2	The sum of electric and magnetic force is called.	<p>A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force</p>
3	Anti particle of electron is	<p>A. Proton B. Photon C. Neutron D. Positron</p>
4	Electric field intensity at a point is defined by the relation.	<p>A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q^2$</p>
5	Which type of impurity is to be added to a pure semi conductor crystal to provide holes.	<p>A. Monovalent B. Trivalent C. Tetravalent D. Pentavalent</p>
6	Both xenon and caesium each have:	<p>A. 41 isotopes B. 36 isotopes C. 43 isotopes D. 33 isotopes</p>
7	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	<p>A. The charge in the plates reduces and potencial difference increase B. Potencial difference between the plates increase, stored energy decreases and charge remains the same C. Potencial difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them</p>
8	The critical temperature of mercury is.	<p>A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K</p>
9	The building blocks of protons and neutrons are called.	<p>A. Ions B. Electrons C. Positrons D. quarks</p>
10	The force on a charge particle moving parallel to magnetic field is:	<p>A. Maximum B. Minimum C. Zero D. None of these</p>
11	An ammeter is an electrical instrument which is used to measure.	<p>A. Voltage B. Current C. Resistance D. None</p>

A. (p₁ +
p₂)
 B. 1/p₁ +
1/p₂

12	The resistivity of two wires is ρ_1 and ρ_2 which are connected in series. If their dimensions are same then the equivalent resistivity of the combination will be:	<p>C. $\frac{\rho_1 + \rho_2}{2}$</p> <p>D. $\frac{\rho_1 \rho_2}{\rho_1 + \rho_2}$</p>
13	The first theory about the structure of an atom was introduced by	<p>A. Neil Bohr</p> <p>B. Einstein</p> <p>C. Compton</p> <p>D. Rutherford</p>
14	Bottom quark carries charge :	<p>A. $\frac{2}{3} e$</p> <p>B. $-\frac{2}{3} e$</p> <p>C. $+\frac{1}{3} e$</p> <p>D. $-\frac{1}{3} e$</p>
15	When a charge is projected perpendicular to a uniform magnetic field, its path is	<p>A. Spiral</p> <p>B. Helix</p> <p>C. Ellipse</p> <p>D. Circular</p>
16	K α -X-rays are produced due to transition of electron from.	<p>A. K to L shell</p> <p>B. L to K shell</p> <p>C. M to K shell</p> <p>D. M to L shell</p>
17	The capacitance of a capacitor depends upon.	<p>A. Thickness of plates</p> <p>B. Charges on the plates</p> <p>C. Voltage applied</p> <p>D. Geometry of the capacitor</p>
18	The symbol of p-n-p transistor is	
19	The self induction emf is sometimes called.	<p>A. Motional emf</p> <p>B. Constant emf</p> <p>C. Back emf</p> <p>D. Variable emf</p>
20	At resonance frequency, the impedance of RLC series circuit is.	<p>A. Maximum</p> <p>B. Minimum</p> <p>C. Zero</p> <p>D. Infinite</p>