

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The positron has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. <span style="font-weight: bold; color: rgb(106, 106, 106); font-family: arial, sans-serif; font-size: small;">β particle</span> D. All
2	If the following particles have the same energy, which particle has the shortest wavelength.	A. alpha particle B. Neutron C. Beta particle D. Proton
3	Two down and one up quarks make	A. Proton B. Neutron C. <del>photon</del> D. Positron
4	Which material should be inserted between the plates of a capacitor in order to increase its capacitance.	A. Copper B. Mica C. Iron D. Tin
5	Most of the electrons in the base of an NPN transistor flow:	A. Out of the base lead B. Into the collector C. Into the emitter D. Into the base supply
6	Light emitting diodes are made from semiconductors.	A. Silicon B. Germanium C. Carbon D. Gallium arsenide
7	Target material used in x-rays tube have following properties.	A. High atomic number and high melting point B. High atomic number and low melting point C. Low atomic number and low melting point D. High atomic number only
8	1 amu is equal to	A. $1.6606 \times 10^{-27}$ kg B. $1.66 \times 10^{-31}$ kg C. $1.66 \times 10^{-34}$ kg D. $1.66 \times 10^{-19}$ kg
9	Which of the following basic force is able to provide an attraction between two neutrons:	A. Electrostatic and nuclear B. Electrostatic and gravitational C. Gravitational and strong nuclear D. Only nuclear force
10	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
11	When motor is just started, back emf is almost.	A. Maximum B. Zero C. Minimum D. Infinite
12	$X_c =$	A. $\frac{1}{2\pi fC}$ B. $2\pi fC$ C. $\frac{2\pi}{fC}$ D. $fC/2\pi$
13	_____ is correct relation.	A. $IT = 10^{-4} G$ B. $IT = 10^{-4} G$ C. $IT = 10^{-2} G$ D. $IT = 10^{-2} G$
14	Magnetism is related to:	A. Stationary charges B. Moving charges C. Stationary & Moving charges D. None

		D. Law of motion
15	A device used for detection of current is called.	A. Inductor B. Voltmeter C. Capacitor D. Galvanometer
16	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
17	Which of the following does not undergo plastic deformation.	A. Copper B. Wrought iron C. Lead D. Glass
18	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/S
19	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
20	Subatomic particles are divided into groups.	A. Photon B. Laptos C. Hadrons D. All of these