

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Mass equivalent of 931 MeV energy is:	A. $6.02 \times 10^{-23}$ kg B. $1.766 \times 10^{-27}$ kg C. $2.67 \times 10^{-29}$ kg D. $6.02 \times 10^{-87}$ kg
2	Which is true for both alpha particle and gama rays.	A. They cause ionization in air B. They can be deflected by electric field C. They can be deflected by magnetic field D. The $\gamma$ can penetrate a few millimeters of aluminium
3	The fact that electric field exist in space around an electrical charge is	A. Electrical property B. Gravitational property C. Intrinsic property of nature D. Extrinsic property of nature
4	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes C. 36 Isotopes D. 35 Isotopes
5	Main reason for world wide use of A.C. is	A. It is cheaper B. Transmitted C. Both a and b D. Reaches in short time
6	The condition of resonance is:	A. $X_L = 1/2 X_C$ B. $X_L = X_C$ C. $X_L = 4 X_C$ D. None of above
7	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
8	A rheostat can operate as.	A. Amplifier B. Potential divider C. Oscillator D. Transformer
9	The unit of strain is:	A. Nm B. $\text{Nm}^{-2}$ C. no unit D. $\text{Nm}^2$
10	When platinum is heated is become dull red at:	A. $900^\circ\text{C}$ B. $500^\circ\text{C}$ C. $800^\circ\text{C}$ D. $1100^\circ\text{C}$
11	An expression for gain of an inverting amplifier is	C. $(R_1/R_2)$ D. None of these
12	Which is not fundamental logic gate.	A. NOT B. AND C. OR D. NAND
13	A galvanometer is an electrical instrument used to	A. Measure resistance B. Measure voltage C. Detect passage of current D. None of these
14	The radius of hydrogen atom is:	A. $0.53 \text{ \AA}$ B. $0.053 \text{ \AA}$ C. $0.53 \times 10^{-9}$ D. $0.053 \times 10^{-9}$
15	One weber is equal to:	A. $\text{N} \cdot \text{A}^2/\text{m}$ B. $\text{N} \cdot \text{m}^2/\text{A}$ C. $\text{N} \cdot \text{A}/\text{m}$ D. $\text{N} \cdot \text{A}^2/\text{m}$

D. N.m/A

16	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
17	Resistivity at a given temperature depends upon.	A. Area of cross section B. Length C. Nature of material of conductor D. Both length and area
18	Electric field intensity at a point is defined by the relation.	A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q^2$
19	The winding of the electromagnet in motor are usually called.	A. Magnetic coils B. Field coils C. Electric coils D. electric o electric coils
20	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these