

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Magnetic flux density at a point due to current carrying coil is determined by	A. Ampere's law B. Faraday's law C. Lenz's law D. Gauss's law
2	The mass of an object will be doubled at speed.	A. 2.6 x 10 <sup>8</sup> m/s B. 1.6 x 10 <sup>8 </sup> m/s C. 2.6 x 10 <sup>7 </sup> m/s D. 3.6 x 10 <sup>7</sup> m/s
3	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt
4	Magnetic induction can be measured in units of.	A. Tesla B. Gauss C. Weber/m2 D. All of the above
5	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
6	Impedance is denoted by:	A. A B. Z C. P D. Q
7	If a charged body is moved against the electric field it will gain.	A. P.E. B. K.E. C. Mechanical energy D. Electrical potential energy
8	Laser is a device which can produce:	A. Intense beam of light     B. Coherant beam of light     C. Monochromatic beam of light     D. All of the above
9	The radioactive decay obeys the law	
10	The 1 <sup>st</sup> Bohr atom in the hydrogen atom has radius	A. 3.56 x 10 <sup>-10</sup> m B. 0.053 x 10 <sup>-11</sup> m C. 0.53 x 10 <sup>-11</sup> m D. 5.30 x 10 <sup>-11</sup> m
11	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
12	An A.C. voltmeter reads 220 V, its peak value will be	A. 225 V B. 240 V C. 311.12 V D. 300 V
13	The sensitivity of Galvanometer can be increased by:	A. Increasing C/BAN factor B. Decreasing C/BAN factor C. Increasing angle θ D. All of above
14	When a wire of length 'I' and resistance R is cut into two equal parts then resistivity of each part.	A. is doubled B. Remains the same C. Is halved D. Is one fourth
15	In glass, molecules are irregularly arranged so it is known as.	A. Solid B. Liquid C. Solid liquid D. Gas
16	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page

		D. Parallels to page
17	Two oppositely charged balls A and B attract the third ball C, when placed near them turn by turn The third ball C must be.	A. Positively charged     B. Negatively charged     C. Electrically neutral     D. Positively and negatively charged
18	The output of two input is zero only when its.	A. Both inputs are zero B. Either input is zero C. Both inputs are one D. Either input is one
19	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
20	The inductive reactance of a coil is direction proportional to.	A. Inductance B. Resistance C. Frequency of A.C. D. Both frequency of A.C. and inductance