

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Energy density of an inductor is:	A.  UM=1/2µ <sub>°</sub> /B <sup>2</sup> B. Um = 2µ <sub>°</sub> /B C. UM = 1/2B <sup>2</sup> /µ <sub>°</sub> D. Um = 2B <sup>2</sup> /µ <sub>°</sub>
2	When gama rays are emitted, the nuclear mass.	A. Decreases by 4 units B. Does not change C. Increases by 2 units D. Increase by 1 unit
3	Example of ductile substance is.	A. Glass B. Wood C. Lead D. Oxygen
4	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium
5	The p-n junction in which p side is connected to+ive and n-side is -ve the junction is said to be:	A. Neutral B. Forward biased C. Reversed biased D. None of above
6	The SI unit of magnetic induction 'B' Tesla is equal to.	A. NA-1m-1 B. Nam-1 C. NA-1 m D. Na2m-1
7	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass
8	When platinum is it becomes orange at.	A. 500 <sup>o</sup> C B. 900 <sup>o</sup> C C. 1100 <sup>o</sup> C D. 1300 <sup>o</sup> C
9	Current passing through the coil of galvanometer	A. CO/BAN B. CoN/BA C. NAB/CO D. AN/BCO
10	Minimum number of semi conductor diodes required for full wave rectification are.	A. 1 B. 2 C. 3 D. 4
11	What is the co-efficient of mutual inductance, when the magnetic flux changes by 2 x $10^{-2}$ Wb, and change in current is 0.01 A?	A. 2 H B. 3 H C. 1/2 H D. Zero
12	The leV =	A. 1.6x10-19C B. 1.6x10-11J C. 1.6x10-19J D. 1.6x10-11C
13	The number of electrons in one coulomb charge is equal to	A. 6.2 x 10 <sup>18</sup> electrons B. Zero electrons C. 1.6 x 10 <sup>-22</sup> electrons D. 6.2 x 10 <sup>21</sup> electrons
14	Which one of the following is correct	A. D. All of above
15	The value of maximum output power is?	A. E/4R B. E <sup>2</sup> /4R C. E/4R <sup>2</sup>

		D. Non of above
16	The open loop gain of the amplifier is order of.	A. 10 <sup>6</sup> B. 10 <sup>5</sup> C. 10 <sup>7</sup> D. 10 <sup>3</sup>
17	The X-rays diffraction with crystal was first studied by	A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these
18	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
19	The total charge of any nucleus is:	A. Ze B. Z C. Both a and b D. None of above
20	The number of lines per unit area passing perpendicular through an area is called	A. Flux B. Electric intensity C. Both (a) , (b) D. None of these