

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
2	The peak value of A.C source is 20 A, then its rms value will be.	A. 14.1 A B. 10 A C. 20 A D. 28.2 A
3	Self inductance of a long solenoid is given by	D. None of the above
4	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
5	Seven resistances are connected as shown in the figures . The equivalent resistance between A and B is:	A. $3\Omega$ B. $4\Omega$ C. $4.5\Omega$ D. $5\Omega$
6	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
7	The mathematical symbol for NOR operation is	B. $X = A . B$ C. $X = A + D$
8	$X_L =$	A. $2\pi fL$ B. $1/2\pi fL$ C. $2\pi fL$ D. $fL/2\pi$
9	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$ A
10	In case of op-amp as an inverting amplifier, $V_+ - V_- = 0$ , this is because	A. Open gain loop is very low B. Closed loop gain is very high C. Open loop gain is very high D. Both (a) and (a)
11	Self induction does not depend on	A. Number of turns of the coil B. Area of cross section of the core C. Nature of material of the core D. Current through inductor
12	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
13	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
14	Unit of decay constant $\lambda$ is:	A. ms B. $m^{-1}$ C. m D. $S^{-1}$
15	Curie temperature is	A. Different for chromium oxide and cobalt B. Same for chromium oxide and cobalt C. Same for iron and cobalt D. None of these
		A. Energy

16	Joule second is the unit of.	B. Wein's constant C. Planck's constant D. Boyle's law
17	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
18	amu =	A. $1.06 \times 10^{-27}$ kg B. $1.6606 \times 10^{-27}$ kg C. $1.520 \times 10^{-21}$ kg D. $1.6606 \times 10^{-31}$ kg
19	A charged particle enters in a strong magnetic field its K.E.	A. Remain constant B. Increases C. Decreases D. Increases then decreases
20	Which diode works at reverse biasing.	A. LED B. Photo voltaic cell C. Photo diode D. Silicon diode