

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these
2	OR gate is represented by:	A. $X = A+B$ B. $X=A.B$ C. $X=A+B$ D. $X=A.B$
3	One joule of energy absorbed per kilogram of a body is	A. Roentgen B. Grey C. Rem D. Curie
4	A wire uniform cross-section. A length L and resistance R is cut into two equal parts. The resistivity of each part will be:	A. Doubled B. Halved C. Remain the same D. One fourth
5	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
6	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
7	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
8	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
9	The total flux through a closed surface.	A. Directly proportional to shape and geometry B. Independent of medium C. Depend on shape and geometry D. Dependent on medium and the charge enclosed
10	The number of electrons in one coulomb charge is equal to	A. 6.2×10^{18} electrons B. Zero electrons C. 1.6×10^{22} electrons D. 6.2×10^{21} electrons
11	Conversion of only one half of A.C. into D.C. is called.	A. Half wave amplification B. Wave amplification C. Half wave electrification D. Half wave rectification
12	$X_C =$	A. $\frac{1}{2\pi fc}$ B. $2\pi fc$ C. $2\pi/fc$ D. $fc/2\pi$
13	Max planck received noble prize in:	A. 1927 B. 1932 C. 1918 D. 1914
14	Laser is a device which can produce:	A. Intense beam of light B. Coherent beam of light C. Monochromatic beam of light D. All of the above
15	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of the above

D. All of these

16 Which type of impurity is to be added to a pure semi conductor crystal to provide holes.

- A. Monovalent
- B. Trivalent
- C. Tetravalent
- D. Pentavalent

17 The SI unit of flux density is.

- A. $\text{NA}^{-1} \text{m}^2$
- B. $\text{NA}^{-1} \text{m}^{-1}$
- C. $\text{NA} \text{m}^{-1}$
- D. $\text{NA}^{-1} \text{m}$

18 If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.

- A. Doubled
- B. Half
- C. Remain same
- D. One fourth

19 The P.D develop in case of germanium is:

- A. 0.3
- B. 0.7
- C. 0.5
- D. 0.9

20 The potential difference across depletion region in case of Si is

- A. 0.6 volt
- B. 0.9 volt
- C. 0.7 volt
- D. 0.2 volt