

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Self inductance of a long solenoid is given by	D. None of the above
2	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
3	The phase difference between current and voltage in an inductive circuit is.	A. zero B. $90^\circ$ C. $180^\circ$ D. $45^\circ$
4	Electro encephalon graph is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
5	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
6	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region
7	The head produced by the passage of current through a resistor is.	A. $H = I^2 R t$ B. $H = I R^2 t$ C. $H = I / R t$ D. $H = I^2 / R t$
8	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
9	The average gap for Germanium at 0K is	A. 1.12 ev B. 0.02 ev C. 6.72 ev D. 7.2 ev
10	The dead time of G.M tube is.	A. $10^{-1}$ sec B. $10^{-6}$ sec C. $10^{-4}$ sec D. $10^{-8}$ sec
11	In frequency modulation, the amplitude of carrier waves is	A. Increases B. Remains constant C. Decreases D. None of these
12	Both xenon and caesium each have:	A. 41 isotopes B. 36 isotopes C. 43 isotopes D. 33 isotopes
13	A capacitor is perfectly insulator for:	A. Direct current B. Alternating current C. Direct as well as alternating current D. None of these
14	The device which is used as amplifier and works with the negative feedback is.	A. Operational amplifier B. P-n-p transistor C. n-p-n transistor D. Transistor
15	B <sup>2</sup> /2μ is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
		A. Farad

16	In case of capacitor, the unit of reactance is	B. Ohm C. Newton D. All of these
17	Unit of Stephen's constant is	A. $\text{W m K}^{-2}$ B. $\text{W m}^{-2} \text{K}^{-4}$ C. $\text{W m K}^{-4}$ D. None
18	The power factor of RL series circuit is.	A. 0 B. 1 C. Less than 1 D. More than one
19	The number of crystal system are	A. Three B. Five C. Seven D. Fifteen
20	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above