

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
2	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
3	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm ⁻¹
4	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
5	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
6	The sum of electric and magnetic force is called.	A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force
7	The potential difference between the top and bottom of a cloud chamber is of the order of	A. 290 v B. 400 v C. 1 kv D. None of above
8	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same D. None of above
9	The electrostatic force between two charges is 42 N, If we place a dielectric of E _y = 2.1 between the charges then the force become equal to.	A. 42 N B. 88.2 N C. 20 N D. 2 N
10	If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of.	A. 3.40 eV B. 10.20 eV C. 13.6 eV D. 3.8 eV
11	Electron vibrating 94,000 times each second will produce radio waves of frequency.	A. 94 Hz B. 940 HZ C. 94 Hz D. 490 Hz
12	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
13	The number of electrons in one coulomb charge is equal to	A. 6.2 x 10 ¹⁸ electrons B. Zero electrons C. 1.6 x 10 ⁻²² electrons D. 6.2 x 10 ²¹ electrons
14	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman sereis B. Paschen series C. Balmar series D. Bracket series
15	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect

		D. Photoelectric effect
16	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier
17	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production C. Photoelectric effect D. None of above
18	The Unit of decay constant.	A. Second B. (second)-1 C. m-1 D. mk
19	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum D. infinity
20	The unit for Plank's constant is:	A. Js ⁻¹ B. Jm C. Js D. Jm ²