Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	If a charge Q flows through any cross section of the conductor in time t, the current I is	A. I=Qt B. I= Q/t C. I= Q*t D. I= Q-t
2	Magnetic flux density at a point due to current carrying coil is determined by	A. Ampere's law B. Faraday's law C. Lenz's law D. Gauss's law
3	Special organs called ampullae of lorenzenite are present in.	A. Bats B. Cats C. Dogs D. Sharks
4	The input resistance of an op amplifier is.	A. Low B. High C. Zero D. Equal to output resistance
5	For normal use:	A. Emitter base function is reversed biased B. Collector base junction is reserved biased C. Emitter base junction is forward biased D. Both c and b
6	A proton consists of quarks which are.	A. Two up, one down B. One up, two down C. All up D. All down
7	Resistivity at a given temperature depends upon.	A. Area of cross section B. Length C. Nature of material of conductor D. Both length and area
8	An expression for gain of an inverting amplifier is	C. (R₁R₂) D. None of these
9	For electromagnetic waves, Maxwell generalized	A. Gauses law for magnetism B. Gauses law for eletricity C. Fradays law D. Amperes law
10	Depletion region carries.	A. -ve charge B. +ve charge C. Ions D. No charge
11	To get N-Type the Ge is doped with	A. Aluminium B. Arsenic C. Boron D. Indium
12	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator D. D.C. Generator
13	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
14	In purely resistive A.C circuit, instantaneous value of voltage and current:	A. Current lags behind voltage B. Current leads voltage by π/2 C. Both are in Phase D. Voltage leads current by Pase θ=π/2
15	The number of electrons in one coulomb charge is equal to	A. 6.2 x 10¹⁸ electrons B. Zero electrons

		C. 1.6 x 10⁻²² electrons D. 6.2 x 10²¹ electrons
16	Grid in cathode ray oscilloscope controls.	A. Number of electron B. Temperature of filament C. Frequency of electron D. Energy of electrons
17	Some charge is being given to a conductor. Then its potencial	A. Its maximum at surface B. Its maximum at Its maximum at center C. Is remain same throughout the conductor D. Is maximum somewhere between surface and centre
18	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
19	A one microfarad capacitor of a TV is subjected to 4000 V potencial difference.The energy stored in capacitor is:	A. 8 j B. 16 j C. 4 x 10⁻³j D. 2 x 10⁻³j
20	The electrical intensity is equal to:	A. -Δr/Δv B. Δv/Δr C. Δv/Δv D. -Δv/Δr