Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The word amorphous means:	A. Regular structured B. Without form or structure C. Frozen structured D. None of above
2	The Basic circuit element in a D.C. circuits which controls the current and voltage is	A. Resistor B. Inductor C. Capisitor D. Transistor
3	X=A+B is the mathematical notation for.	A. OR gate B. NOR gate C. NAND gate D. AND gate
4	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
5	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
6	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
7	For normal transistor the emitter current can be given by	A. I_E = I_C B. I_E = I_C + I_B C. I_E = I_B D. None of these
8	OR gate is represented by:	A. X = A+B B. X=A.B C. X=A+B D. X=A.B
9	In extrinsic semiconductors doping is of the order of.	A. 1 atom to 10⁴ B. 1 atom to 10⁶ C. 1 atom to 10⁸ D. 1 atom to 10³
10	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. Ammeter
11	A positron is a particle having.	A. Mass equal to electron B. Charge equal to electron C. Mass equal to mass of electron but charge opposite to charge of electron. D. Mass equal to proton
12	The dimensions of magnetic flux are	A. M¹L⁻²T¹A¹ B. MLT⁻²A⁻¹ C. ML²T²A⁻¹ D. ML²T⁻²A⁻¹
13	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
		A. 10⁻⁸ to 10⁻⁶ (Ωm)⁻¹ B. 10⁻⁶ to 10⁻⁴

14	Semiconductors have conductivity of order:	(Ωm)⁻¹ C. 10² to 10⁵ (Ωm)⁻¹ D. 10⁻⁵ to 10⁻⁷ (Ωm)⁻¹
15	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
16	In three phase voltage across any two lines is about.	A. 220 V B. 230 V C. 400 V D. 430 V
17	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
18	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potencial difference increase B. Potencial difference between the plates increase, stored energy decreases and charge remains the same C. Potencial difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
19	If current flowing through a solenoid becomes four times, then magnetic field inside becomes.	A. two times B. three times C. four times D. Half
20	A soft iron cylinder is placed inside coil galvanometer to:	A. Make field circular and strong B. Make field radial and weak C. Make field radial and strong D. All of above