Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Power dissipated in a pure inductor is.	A. Large B. Small C. Infinite D. Zero
2	100 micro F capacitor is connects to an AC voltage 24 V and frequency 50 Hz. The reactance of the capacitor is.	A. 30.8 Ohm B. 31.8 Ohm C. 34.8 Ohm D. 40 Ohm
3	The unit of radioactivity is:	A. Bequerel B. Henry C. Pascal D. Joule
4	For an atom of hydrogen atom the radius of the first orbit is given by:	A. H/me² B. me/4h² C. h2/4π² kme² D. h² me²
5	Improper bisting of a transistor circiut produces:	A. Heavy loading of emitter current B. Distortion in the output output signal C. Excessive heat at collector terminal D. Faculty location of load line
6	The magnetic force is simply a	A. Reflecting force B. Deflecting force C. Restoring force D. Gravitational force
7	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons
8	Natural rubber is an example of:	A. Crystalline solids B. Amorphous solids C. Polymeric solids D. None of above
9	When motor is just started, back emf is almost.	A. Maximum B. Zero C. Minimum D. Infinite
10	X_L=	A. 2πfL B. 1/2πfL C. 2πfL D. fL/2π
11	In order to increase sensitivity of galvanometer the value of C may be	A. Increase B. Decrease C. Neither increase nor decrease D. Remain same
12	Which of the following does not undergo plastic deformation.	A. Copper B. Wrought iron C. Head D. Glass
13	If the north pole of a magnet moves away from a metallic ring	A. Clockwise B. Anticlockwise C. First clockwise and then anticlockwise D. None of above
14	Binding energy for deuteron nucleus is given by	A. 2.8 MeV B. 2.23 MeV C. 2.28 MeV D. 2.25 MeV

15	A transistor has parts:	A. 2 B. 3 C. 4 D. 5
16	1 Henry =	A. VSA⁻¹ B. VS⁻¹A⁻¹ C. V⁻¹SA D. VSA⁻²
17	Magnetic induction can be measured in units of.	A. Tesla B. Gauss C. Weber/m2 D. All of the above
18	The force of Neutron due to field of 10^2 N/C is.	A. 1.6 x 10⁻¹⁷N B. 1.6 x 10⁻¹⁹N C. Zero D. 1.6 x 10⁻²¹N
19	For inducing emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both (b) and (c) are true
20	SI unit of electric flux is.	A. NmC¹ B. Nm⁻¹ C¹ C. Nm²C⁻¹ D. Nm³C²