

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
2	Rectification is the process of converting.	A. D.C. into A.C. B. A.C. in to D.C. C. Low signal to high D. High signal to low
3	The p-n junction in which p side is connected to +ve and n-side is -ve the junction is said to be:	A. Neutral B. Forward biased C. Reversed biased D. None of above
4	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop by a coil of many turns D. All of above
5	An ordinary glass gradually softens into a paste like state before it becomes a very viscous liquid which is possible at	A. 900°C B. 600°C C. 800°C D. 100°C
6	The energy of photon for photoelectric effect is less than	A. 1 MeV B. 2 MeV C. 5 MeV D. 8 MeV
7	Semiconductors have conductivity of order:	A. 10^{-8} to 10^{-6} (Ωm) B. 10^{-6} to 10^{-4} (Ωm) C. 10^{-2} to 10^5 (Ωm) D. 10^{-5} to 10^{-7} (Ωm)
8	Depletion region carries.	A. -ve charge B. +ve charge C. Ions D. No charge
9	Photo diode detects.	A. Visible light B. Radio waves C. X rays D. All of them
10	The thermistors convert changes of temperature into.	A. Light energy B. Electric voltage C. Heat D. Sound
11	Which type of impurity is to be added to a pure semiconductor crystal to provide holes.	A. Monovalent B. Trivalent C. Tetravalent D. Pentavalent
12	Circulation of blood is studied by radio isotope.	A. Cobalt -60 B. Phosphorus -32 C. Sodium -24 D. Iodine -131
13	An ammeter is an electrical instrument which is used to measure.	A. Voltage B. Current C. Resistance D. None
14	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. $3R$ B. $2R/4\Omega$ C. $R/3\Omega$ D. $2R/3\Omega$

15	An electron moves at 2×10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. 1×10^{-6} N B. 6.4×10^{-17} N C. 3.6×10^{-24} N D. 4×10^{-6} N
16	mho -m-1 is the unit of.	A. Resistance B. Resistivity C. Conductance D. Conductivity
17	Thermosouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
18	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
19	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
20	Energy released by conversion of 1 amu is	A. 200 MeV B. 931 MeV C. 233 MeV D. 243 MeV