

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
2	A proton is about 1840 time than an electron. When it is accelerated by a potential difference of 1 kV, its kinetic energy will be:	A. 1884 keV B. 1/1840 keV C. 1 keV D. 920 keV
3	Coercive force is used to	A. Demagnetize the material B. Magnetize the material C. Extend it D. None of these
4	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
5	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. $m^{sup>1}$ C. $m^{sup>2}$ D. m^{-3}
6	If the ionization energy of hydrogen atom is 13.6 eV, its ionization potential will be	A. 136.0 volt B. 3.0 volt C. 13.6 volt D. None of these
7	A transistor has:	A. Two regions B. Three regions C. Single regions D. Four regions
8	The number of electrons emitted depends upon	A. Colour of target surface B. Shape of surface C. Frequency of incident light D. Intensity of incident light
9	Two metallic spheres of radius 2 cm and 4 cm get equal quantity of charge. Which has greater surface charge density ?	A. $2^{sup>nd}$ sphere B. Both have same C. First sphere D. None of these
10	A capacitor stores energy in the form of.	A. Magnetic field B. Heat energy C. Electrical energy D. Mechanical energy
11	The unit of temperature coefficient of resistivity is.	A. Ohm -m B. K-1 C. K D. Ohm
12	Potentiometer is used to.	A. Compare emf of two cells B. Detect internal resistance of cell C. Measure P.D. D. All of these
13	When platinum wire is heated, it changes to cherry red at temperature.	A. $500^{sup>0}$ C B. $900^{sup>0}$ C C. $1100^{sup>0}$ C D. $1300^{sup>0}$ C
14	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
15	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor

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- 16 Metals are good conductors of electricity because they have
- A. Large number of bounded electrons
B. Small number of electrons
C. Large number of free electrons
D. Small number of free electrons
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- 17 Which one has greater cone of impurity among all:
- A. Emitter
B. Base
C. Collector
D. All are pure
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- 18 The electrons in one coulomb change is equal to.
- A. 1.6×10^{-19}
B. 2.25×10^{-19}
C. 6.25×10^{-18}
D. 6.25×10^{-19}
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- 19 The circuit in which current and voltage are in phase, the power factor is:
- A. Zero
B. 1
C. -1
D. 2
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- 20 Improper biasing of a transistor circuit 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
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