Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A current of 1 ampere is passing through a conductor. The charge passing through it in half a minute s	A. One coulomb B. 0.5 coulomb C. 30 coulombs D. 2 coulombs E. None of these
2	Electromagnetic waves emitted by hot bodies are called:	A. Photoelectrons B. Alpha rays C. Thermal radiation D. None of these
3	Work done is lowering the bucket into the well is:	A. Zero B. Positive C. Negative D. None of these
4	Generally a temperature scale is established by using certain physical properties of a material which varies	A. nonlinearly with temperature B. linearly with temperature C. either of them D. none of them
5	The Space around the Earth within which it exerts a force of attraction on other bodies is known as	A. Nuclear field B. Conservative field C. Electric field D. Gravitational field
6	The SI unit of flux density is.	A. Tesla B. Weber C. Gaun D. Weber/meter
7	Polymeric solids have	A. low specific gravity B. high specific gravity C. either of them D. none of them
8	The Phenomenon of generation of induced emf is called	A. Electrostatic induction B. Magnetic induction C. Electromagnetic induction D. Electric induction E. Both A and B
9	Uncertainty is of following type/types:	A. Absolute B. Fractional C. Percentage D. All of these
10	Max plank received the Nobel Prize in physics for his discovery of energy quanta in	A. 1900 B. 1906 C. 1912 D. 1918
11	Nuclei that have the same charge number but different mass number are called	A. isotones B. isomers C. isotopes D. isobars
12	Centripetal acceleration is also called _____ acceleration	A. Tangential B. Radial C. Angular D. None of them
13	The product of cross-sectional area of the pipe and the fluid speed at any point along the pipe is called	A. constant rate B. volume rate C. flow rate D. steady rate
14	According to the equation of continuity, when water falls from the tap, it's speed increases and its cross-sectional area	A. decreases B. increases C. becomes zero D. none of them
15	Which of the following statements for an object in equilibrium is not true?	A. The object must be at rest B. The object can be at rest C. The object is moving at constant speed

		D. The acceleration of the object is zero
16	One mole of any substance contain	A. same number of molecules B. different number of molecules C. may be same or different D. none of them
17	A body is dropped from a tower with zero velocity, reaches ground in 4s. The height of the tower is about	A. 80 m B. 20 m C. 160 m D. 40 m
18	Which of the following is not a projectile	A. a bullet fired from a gun B. a space ship C. a football in air D. an artillery shell
19	Conversion of A.C. into D.C. is called:	A. Reftification B. Amplification C. Electric induction D. Magnetic induction E. None of these
20	The charge carries in the electrolyte are:	A. Positive ions<o:p></o:p> B. Negative ions<o:p></o:p> C. Either (A) or (B)<o:p></o:p> D. Both (A) and (B)<o:p></o:p> E. Neither (A) nor (B)<o:p></o:p>