

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Two copper balls of 1 cm and 2 cm in diameter are simultaneously dropped in the same viscous medium. The terminal velocity of bigger ball is:	A. Not affected due to its size B. Twice that of small size ball C. Four times that of small size ball D. 1/4th of that of small size ball
2	Since the absolute scale is independent of the property of the working substance, hence, can be applied at	A. very high temperature B. very low temperature C. any one of them D. none of them
3	During the projectile motion, the horizontal component of velocity	A. changes with time B. remains constant C. becomes zero D. decreases with time
4	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
5	In describing function of digital systems, 1 represents:	A. Closed switch B. True Statement C. Lighted bulb D. Only (B) and (C) E. All are true
6	Which one of the following physical quantities changes with relativistic speed	A. Length B. Mass C. Time D. All of the above
7	The peak voltage in a 220 volt A.C. supply is nearly	A. 220 volt B. 253 volt C. 311 volt D. 440 volt
8	The direction of vector in space is specified by:	A. One angle B. Two angles C. Three angles D. None of above
9	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
10	In an experiment the uncertainty in the value of a resistor is 2% furthermore, the uncertainty in the potential difference across the same resistor is 1%. The uncertainty in the power loss in the resistor is.	A. Approximately 3% B. Approximately 5% C. Approximately 4% D. Approximately 6%
11	Fluid friction is _____ the friction between two solid surfaces:	A. Greater than B. Smaller than C. Equal to D. None of these
12	At resonance, the impedance of RLC series circuit is	A. Maximum B. Zero C. Minimum D. Determinate
13	When a falling body hits ground, its KE changes to _____ energy.	A. Potential B. Chemical C. Mechanical D. sound and heat
14	Ball pen functions on the principle of	A. Viscosity B. Boyle's law C. Gravitational force D. Surface tension
15	The first shell near the nucleus is	A. L-shell B. K-shell C. N-shell D. M-shell

		D. M-shell
16	S.I. unit of planks constant is	A. $J \cdot s^{-1}$ B. $J \cdot s$ C. $J \cdot s^{-2}$ D. $J \cdot s^2$
17	In an inelastic collision between two bodies, following is reserved.	A. Energy B. Both A and B C. Momentum D. None
18	The SI unit of magnetic flux is	A. $Nm \cdot A^{-2}$ B. $Nm \cdot A^{-1}$ C. $NA \cdot A^{-1}$ D. $Nm^2 \cdot A^{-1}$
19	The number of vibration in two seconds can be expressed as _____ of frequency of vibration is f.	A. f B. 2 f C. 3 f D. 1/2 f
20	In case of metallic conductors, the charge carriers are	A. Protons B. Electrons C. Antiprotons D. Positrons E. Both A and B