

ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	Watt x second is unit of:	A. Force B. Work C. Power D. None of these
2	Final velocity of a hoop is _____ the final velocity of a disc having same mass and radius on coming down an inclined plane.	A. Greater than B. smaller than C. Equal to D. None of these
3	The nature of radiations emitted by a hot body depends upon its:	A. Material B. Temperature C. colour D. Volume E. Length
4	The information from far side of the universe are gathered by	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
5	The dimensions of viscosity are:	A. $M^{2/3}L^{-2}T^{-1}$ B. $M^{-1}L^{-1}T^{-1}$ C. $M^{-1}L^{-1}T^{-1}$ D. $ML^{-1}T^{-1}$
6	The phase determines the	A. displacement B. amplitude C. frequency D. state of motion of vibrating body
7	A car moves for half of its time at 80 km/h and rest half of time at 40 km/h, The total distance covered is 60 km. What is the average speed of the car?	A. 60 km/hr B. 80 km/hr C. 120 km/hr D. 180 km/hr
8	Electric potential of earth is taken to be zero because the earth is good	A. Semiconductor B. Conductor C. Insulator D. Dielectric
9	A galvanometer in which the coil comes to rest quickly after the current passed through it, or the current stopped form flowing through it, is called	A. dead beat galvanometer B. stable galvanometer C. shunt galvanometer D. sensitive galvanomter
10	There is present in paraffin a large amount of:	A. Nitrogen B. Hydrogen C. Carbon D. Baryllium E. Lithium
11	The concept of entropy was introduced into the study of thermodynamics in	A. 1856 B. 1865 C. 1656 D. 1685
12	Ball pen functions on the principle of	A. Viscosity B. Boyle's law C. Gravitational force D. Surface tnesion
13	Centripetal acceleration is also called _____ acceleration:	A. Tangential B. Radial C. Angular D. None of them
14	Force is a:	A. Scalar quantity B. Base quantity C. Derived quantity D. None of these

15	Under the elastic region, the deformation produced in the material, the deformation produced in the material will be	<p>A. permanent</p> <p>B. temporary</p> <p>C. either of them</p> <p>D. none of them</p>
16	Power is a :	<p>A. Vector quantity</p> <p>B. Base quantity</p> <p>C. Scalar quantity</p> <p>D. None of these</p>
17	Rate of diffusion is	<p>A. Faster in solids than in liquids and gases</p> <p>B. Faster in liquids than in solids and gases</p> <p>C. Equal to solids, liquids and gases</p> <p>D. Faster in gases than in liquids and solids</p>
18	The length of a metallic rod is 5 meter at 100°C. The coefficient of cubical expansion of the metal will be	<p>A. $2.0 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$</p> <p>B. $4.0 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$</p> <p>C. $6.0 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$</p> <p>D. $2.33 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$</p>
19	Gaussian surface is always:	<p>A. Rectangular</p> <p>B. Spherical</p> <p>C. Cylindrical</p> <p>D. Box shape</p> <p>E. Any of these</p>
20	When a bicycle is in motion but not pedaled, the force of friction exerted by the ground on the two wheels is such that it acts	<p>A. In the backward direction on the front wheel and in the forward direction on the rear wheel</p> <p>B. In the forwards directions on the front wheel and in the backward direction on the rear wheel</p> <p>C. In the forward direction on both the wheels</p>

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D. In the backward direction on both
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