

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	The time rate of change of angular displacement is called.	A. Linear velocity B. Linear Acceleration C. Angular Acceleration D. Angular velocity
2	The consumption of energy by a 60 watt bulb in 2 seconds is	A. 130 J B. 120 J C. 160 J D. 0.02 J
3	The mathematical representation of Malus's law is.	A. $I = I_0 \cos^2 \theta$ B. $I = I_0 \sin \theta$ C. $I = I_0 \tan^2 \theta$ D. $I = I_0 \cot^2 \theta$
4	A dry battery can deliver 3000 J of energy to a 2 W small electric motor before the battery is exhausted. For how many minutes does the battery run?	A. 1500 min B. 100 min C. 25 min D. 50 min
5	Algebraic sum of current meeting at a point is zero is a statement of.	A. Kirchhoff's 1st law B. Faraday's law C. Ampere's law D. None
6	When stress is increased beyond elastic limit and material is permanently changed this property is.	A. Elasticity B. Permanent stress C. Yield strength D. Plasticity
7	Whenever current is drawn from a cell, its terminal potential difference and emf become.	A. Different B. Same C. Zero D. Negative
8	If $A \cdot B = 0$ when vector A and B are parallel or anti parallel, then either A or B is a	A. Equal B. Null Vector C. Perpendicular

		C. $\perp$ perpendicular D. Not Zero
9	Electric flux is a	A. Scalar Quantity B. Vector Quantity C. Base Quantity D. None
10	The sum $12\text{ kg} + 2.02\text{ kg} + 5.1\text{ kg}$ according to appropriate precision is	A. 19 kg B. 19.0 kg C. 19.1 kg D. 19.12 kg
11	If 20 waves pass through medium in one second with a speed of 20 m/sec then wavelength is	A. 1 m B. 10 m C. 20 m D. 2 m
12	A body at rest may have.	A. Speed B. Energy C. Velocity D. Momentum
13	Motion of projectile is.	A. One dimensional B. Two dimensional C. Three dimensional D. None of the above
14	The gas molecules are in	A. Linear motion B. Random Motion C. Brownian motion D. Circulatory motion
15	1 kilowatt is equal to	A. 1000 J/s B. 10^6 watt C. $0.1 \times 10^3\text{ Watt}$ D. $6.25 \times 10^{25}\text{ Watt}$
16	The time taken by the light to reach from sun to earth is.	A. $1\text{ min} - 20\text{ sec}$ B. $1\text{ min} - 40\text{ sec}$ C. $9\text{ min} - 20\text{ sec}$ D. $8\text{ min} - 20\text{ sec}$
17	The unit of flux density is.	A. $\text{NA}^{-1}\text{ m}^{-1}$ B. NA m^{-1} C. N m A^{-2} D. Nm A
18	The number of significant figures in the measured mass 2500.0 kg is	A. Two B. Three C. Four D. Five
19	The height above the ground of a child on a swing varies from 0.5 m at his lowest point to 1.5 m at his highest point. The maximum speed of the child is approximately.	A. 1.5 ms^{-1} B. 4.4 ms^{-1} C. 9.8 ms^{-1} D. Depends upon child's mass
20	As a rocket moves upward during its journey, then its acceleration goes on.	A. Increasing B. Decreasing C. Remains same D. It moves with uniform velocity