



Name

Roll No

SECTION - A

Marks : 12

Time Allowed: 15 Minutes

1. When an object is raised to certain height, it possesses: Elastic P.E Gravitational P.E Electrical Energy Thermal Energy

2. We feel breathing difficulties at: Sea level Earth surface High altitude Desert

3. The coolant agent used in radiator of vehicles is: Air Petrol Oxygen Water

4. On heating the solids, what happens to energy and speed of its atoms? Both increase Both decreases Remain same Speed increases, energy decreases

5. The x-component of force is 26N and y-component is 45N, the angle force makes with horizontal is: 0° 30° 45° 60°

6. In a door, axis of rotation lies along: Hinges of door Handle of door Centre of door Bottom of door

7. At the surface of moon, the value of g is: $\frac{1}{2}g_E$ $\frac{1}{4}g_E$ $\frac{1}{6}g_E$ $\frac{1}{8}g_E$

8. A woman moves a baby cart through 40m applying a force 100N, work done by her is: 2.5N 25N 400N 4000N

9. Which of the given is base physical quantity? Temperature Pressure Power Work

10. The speed of body inversely depends on: Distance Displacement Time Mass

11. A body moves along the circular path, the direction of centripetal acceleration is: towards the center away from the centre tangent to the circle perpendicular to circular path

12. The speed of an object moving in a circle of radius 5m, having centripetal acceleration 20m/s^2 is: 5 m/s 10 m/s 15 m/s 20 m/s

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