ITI Quiz - 13-Mar-2026 11:15 AM

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Score: 7/10 (70.00%)

Code: 4649

1. Which affects the centre of gravity of the object

A) Weight
B) Mass
C) Density (Incorrect)
D) Shape

2. What is the name of the point at which all the weight of the body concentrated?

A) Initial point
B) Centre of gravity (Correct)
C) Centroid
D) Central point

3. Where the centre of gravity of a circle lies?

A) At its centre (Correct)
B) Any where on its radius
C) Any where on its circumference
D) Any where on its diameter

4. What is the centre of gravity of a right circular cone from its base?

A) h/2
B) h/3
C) h/4 (Correct)
D) h/5

5. What is the centre of gravity of a rectangular body?

A) Longer side of rectangle
B) Shorter side of rectangle
C) At the point of intersection of its diagonals
D) At the corners (Incorrect)

6. What is the centre of gravity of a sphere?

A) At the centre
B) On the circumference
C) At the diameter (Incorrect)
D) At the radius

7. Which state of equilibrium's example is A cone resting on its tip?

A) Stable
B) Neutral
C) Unstable (Correct)
D) Horizontal

8. Which one of the following geometrical shape's centre of gravity lies from its base is 1/3 of its height?

A) Square
B) Rhombus
C) Triangle (Correct)
D) Cone

9. Which state of equilibrium's example is, A cone resting on its base?

A) Un-stable
B) Neutral
C) Stable (Correct)
D) Bothe A and B

10. What is the centre of gravity of a semi circle of diameter 12 cm?

A) 2.24 cm
B) 2.54 cm (Correct)
C) 3.25 cm
D) 2.75 cm