

ITI Quiz - 22-Jun-2026

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Q. ID: ITISKILL3051HO

June 2026

Question Paper

Duration: 60 Mins

Total Marks: 11

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Student Name: _____ Roll No: _____

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

- A) $h/4$
- B) $h/5$
- C) $h/3$
- D) $h/2$

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

- A) Unstable
- B) Neutral
- C) Stable
- D) Horizontal

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

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

4. What is the centre of gravity of a solid hemisphere from its base?

- A) $r/2$
- B) $3r/8$
- C) $4r/5$
- D) $3r/4$

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

- A) 2.75 cm
- B) 2.24 cm
- C) 2.54 cm
- D) 3.25 cm

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

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

7. Which one of the following geometrical shapes centre of gravity lies from its base is $1/3$ of its height?

- A) Triangle
- B) Square
- C) Cone
- D) Rhombus

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

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

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

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

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

- A) Stable
- B) Both A and B
- C) Neutral
- D) Un-stable

11. Which affects the centre of gravity of the object?

- A) Shape
- B) Mass
- C) Weight
- D) Density