

# Monthly Test workshop calculation and science NOVEMBER 2025

Q. ID: ITISKILL9551FE

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GOVT ITI VITTLA

Question Paper

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Score: 2/10 (20.00%)

Code: 7244

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

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

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

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

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

- A) At its centre**      B) Any where on its radius  
C) Any where on its circumference (Incorrect)      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)  $h/3$  (Incorrect)  
**C)  $h/4$**       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 (Correct)**      D) At the corners

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

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

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

- A) Stable      B) Neutral  
**C) Unstable**      D) Horizontal (Incorrect)

8. Which one of the following geometrical shapes 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**      D) Bothe A and B (Incorrect)

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

- A) 2.24 cm      **B) 2.54 cm**  
C) 3.25 cm (Incorrect)      D) 2.75 cm