

Monthly test for the month of november 2025

Q. ID: ITISKILL8763P1

June 2026

Government ITI KUKANOOR

Question Paper

Duration: 30 Mins

Total Marks: 20

ID: ITISKILL8763P1

Student Name: _____ Roll No: _____

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

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

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

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

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

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

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

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

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

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

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

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

7. Which affects the centre of gravity of the object

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- A) At the point of intersection of its diagonals B) At the corners
C) Longer side of rectangle D) Shorter side of rectangle
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18. What is the centre of gravity of a semi circle of diameter 12 cm?

- A) 3.25 cm B) 2.24 cm
C) 2.54 cm D) 2.75 cm
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19. Where the centre of gravity of a circle lies?

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

20. 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
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