

ITI Quiz W/C - 07- Feb-2026 01:30 PM

Q. ID: ITISKILL6125VN

February 2026

Trinity, College udhyavara udupi

Question Paper

Duration: 155 Mins

Total Marks: 25

ID: ITISKILL6125VN

Student Name: _____ Roll No: _____

1. 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

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

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

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

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

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

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

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

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

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

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

7. 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

8. Which is the short form of profit and loss statement?

- A) P & L B) L & P
C) PRO & LOS D) PR & LS

9. Which affects the centre of gravity of the object

- A) Mass B) Shape

C) Density

D) Weight

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

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

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

12. 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

13. What is the term, if an article is purchased?

- A) Selling price B) Discount price
C) Cost price D) Margin price

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

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

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

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

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

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

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

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

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

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

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

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

20. What is the simple interest for the principal amount of Rs.100000 at 10% per annum for 1 year period?

- A) Rs.50000/-
- B) Rs.1000/-
- C) Rs.5000/-
- D) Rs.10000/-

21. What is the profit amount, if the i - phone cost price is Rs.50000/- and selling price is Rs.70000/-?

- A) Rs. 20000/-
- B) Rs. 2000/-
- C) Rs. 10000/-
- D) Rs. 50000/-

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

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

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

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

24. What is the difference between the simple and the compound interest amount at 5% per annum for 2 years on a principal of Rs.20000/-?

- A) Rs.25
- B) Rs.50
- C) Rs.55
- D) Rs.5

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

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