

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. Which one of the following geometrical shapes centre of gravity lies from its base is $\frac{1}{3}$ of its height?

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

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

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

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

- A) $\frac{4r}{5}$ B) $\frac{r}{2}$
C) $\frac{3r}{4}$ D) $\frac{3r}{8}$

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

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

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

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

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

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

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

- A) $\frac{r}{2}$ B) $\frac{4r}{5}$
C) $\frac{3r}{8}$ D) $\frac{3r}{4}$

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

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

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

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

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

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

11. Which affects the centre of gravity of the object

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

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

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

13. 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

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

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

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

- A) $\frac{h}{4}$ B) $\frac{h}{5}$
C) $\frac{h}{3}$ D) $\frac{h}{2}$

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

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

17. 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.5 B) Rs.50

C) Rs.55

D) Rs.25

C) Longer side of rectangle D) At the corners

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

A) Un-stable

B) Both A and B

C) Neutral

D) Stable

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

A) Rs.1000/-

B) Rs.5000/-

C) Rs.50000/-

D) Rs.10000/-

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

A) Any where on its radius

B) Any where on its diameter

C) Any where on its circumference

D) At its centre

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

A) Rs. 50000/-

B) Rs. 2000/-

C) Rs. 20000/-

D) Rs. 10000/-

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

A) L & P

B) PRO & LOS

C) P & L

D) PR & LS

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

A) Selling price

B) Discount price

C) Margin price

D) Cost price

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

A) Shorter side of rectangle

B) At the point of intersection of its diagonals

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

A) Shape

B) Density

C) Weight

D) Mass