

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

Q. ID: ITISKILL6125VN

February 2026

Trinity, College udhyavara udupi

Answer Key

Duration: 155 Mins

Total Marks: 25

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

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

Answer: D) At the point of intersection of its diagonals

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

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

Answer: B) Cost price

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

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

Answer: D) Centre of gravity

4. 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) At the corners D) Longer side of rectangle

Answer: A) At the point of intersection of its diagonals

5. Which affects the centre of gravity of the object

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

Answer: C) Mass

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

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

Answer: C) At its centre

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

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

Answer: C) Stable

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

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

Answer: D) P & L

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

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

Answer: B) $3r/8$

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

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

Answer: B) At the centre

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

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

Answer: D) Rs.10000/-

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

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

Answer: D) At its centre

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

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

Answer: D) $h/4$

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

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

Answer: D) Unstable

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

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

Answer: A) Stable

16. 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.55 B) Rs.50
C) Rs.25 D) Rs.5

Answer: B) Rs.50

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

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

Answer: D) 2.54 cm

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

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

Answer: D) At the centre

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

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

Answer: C) $3r/8$

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

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

Answer: A) Unstable

21. 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) Cone D) Triangle

Answer: D) Triangle

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

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

Answer: D) Centre of gravity

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

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

Answer: C) Rs. 20000/-

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

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

Answer: B) 2.54 cm

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

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

Answer: B) Mass
