

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

Q.ID: ITISKILL6125VN

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

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

Answer: C) Unstable

2. 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. 10000/-
D) Rs. 20000/-

Answer: D) Rs. 20000/-

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

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

Answer: A) Stable

4. 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

Answer: D) At its centre

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

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

Answer: D) P & L

6. 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.25
C) Rs.50
D) Rs.55

Answer: C) Rs.50

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

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

Answer: D) Mass

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

- A) Stable
B) Neutral

- C) Unstable
D) Horizontal

Answer: C) Unstable

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

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

Answer: C) Cost price

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) $h/3$

Answer: B) $h/4$

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

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

Answer: C) $3r/8$

12. 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

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

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

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

Answer: A) At its centre

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

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

Answer: B) $3r/8$

15. Which affects the centre of gravity of the object

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

Answer: A) Mass

16. 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.50000/-
C) Rs.1000/- D) Rs.10000/-

Answer: D) Rs.10000/-

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

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

Answer: D) 2.54 cm

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

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

Answer: B) 2.54 cm

19. 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

Answer: C) At the centre

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

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

Answer: B) Centre of gravity

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

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

Answer: D) At the centre

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

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

Answer: D) Triangle

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

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

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

24. 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

Answer: D) Stable

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

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

Answer: C) Centre of gravity