

# 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 sphere?

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

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

2. Which affects the centre of gravity of the object

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

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

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

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

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

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

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

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

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

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

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

5. 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

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

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

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

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

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

7. 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/-

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

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

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

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

16. 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. 50000/-      D) Rs. 10000/-

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

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

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

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

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

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

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

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

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

**21.** 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

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

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

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

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

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

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

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

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