

# ITI Quiz W/C - 02- Mar-2026 01:41 PM

Q. ID: ITISKILL29329U

March 2026

Trinity, College udhyavara udupi

Answer Key

Duration: 160 Mins

Total Marks: 50

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1. What is the formula to find Loss %?

- A)  $(CP)/(Loss \times 100)$       B)  $(Loss \times 100)/(C.P)$   
C)  $(Loss + 100)/(S.P)$       D)  $(S.P)/(Loss + 100)$

Answer: B)  $(Loss \times 100)/(C.P)$

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

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

Answer: A) 2.54 cm

3. What is the flow of electrons in any conductor?

- A) Resistance      B) Voltage  
C) Current      D) Power

Answer: C) Current

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

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

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

5. What is the compounded annual interest, for a loan amount of Rs.80000/- at 10% per annum for a period of 2 years?

- A) Rs.94800/-      B) Rs.92400/-  
C) Rs.96800/-      D) Rs.16800/-

Answer: D) Rs.16800/-

6. What is the principal amount deposited, if the maturity proceeds to an amount of Rs.25000/- and interest earned Rs.6000/-?

- A) Rs.25000/-      B) Rs.19000/-  
C) Rs.20000/-      D) Rs.31000/-

Answer: B) Rs.19000/-

7. What is the compounded amount, if the principal of Rs.30000/- and interest earned at 7% per annum is Rs.4347?

- A) Rs.34347/-      B) Rs.32347/-  
C) Rs.33347/-      D) Rs.30347/-

Answer: A) Rs.34347/-

8. How the profit / gain is expressed?

- A) Rs.      B) \*

- C) \$      D) %

Answer: D) %

9. What is the voltage?  $R = 250 \text{ Ohms}$   $I = 0.44 \text{ Amps}$   $V = \text{___ Volts}$

- A) 110 Volts      B) 105 Volts  
C) 108 Volts      D) 100 Volts

Answer: A) 110 Volts

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

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

Answer: B) Unstable

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

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

Answer: B) Stable

12. What is the formula to find Profit %?

- A)  $((Profit)/(C.P)) \times 100$       B)  $((S.P - C.P)/(Profit)) \times 100$   
C)  $((C.P)/(Profit)) \times 100$       D)  $((Profit)/(S.P)) \times 100$

Answer: A)  $((Profit)/(C.P)) \times 100$

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

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

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

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

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

Answer: C)  $3r/8$

15. What is the power if an emf of one volt causes a current flow of 1ampere?

- A) 1 HP      B) 1 Kilowatt hour  
C) 1 watt      D) 1 kilowatt

Answer: C) 1 watt

16. 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

**Answer: A) 2.54 cm**

17. What is the interest earned, if the principal is Rs.12000/- becomes to an amount of Rs.15600/-?

- A) Rs.5600                      B) Rs.2600  
C) Rs.4600                      D) Rs.3600

**Answer: D) Rs.3600**

18. What is the selling price if the cost price is Rs.7282/- with a profit of Rs.208?

- A) Rs.7074                      B) Rs.7490  
C) Rs.7290                      D) Rs.7698

**Answer: B) Rs.7490**

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

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

**Answer: A) Centre of gravity**

20. What is discount?

- A) Selling price is less than Cost price              B) Selling price + discount  
C) Selling price is greater than Cost price              D) The reduction given to the selling price of a product

**Answer: D) The reduction given to the selling price of a product**

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

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

**Answer: D)  $h/4$**

22. 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. 10000/-  
C) Rs. 20000/-                      D) Rs. 2000/-

**Answer: C) Rs. 20000/-**

23. What is the cost price if the product is sold at Rs. 572 with a profit of Rs. 72?

- A) Rs. 500                              B) Rs. 644  
C) Rs. 472                              D) Rs. 1000

**Answer: A) Rs. 500**

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

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

**Answer: A) Mass**

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

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

**Answer: C) P & L**

26. What is the compound interest on a principal of Rs.25000/- after 3 years at the rate of 12% per annum?

- A) Rs.9720                              B) Rs.10483.20  
C) Rs.10123.20                      D) Rs. 9000

**Answer: C) Rs.10123.20**

27. What is the profit % if the cost price of 16 bolts is equal to the selling price of 12 bolts?

- A) 33.33                              B) 13.33  
C) 43.33                              D) 23.33

**Answer: A) 33.33**

28. What is the resistance of an electric iron if the rating of electric iron is 220 V and 500 watts?

- A) 97.8 ohms                              B) 95.8 ohms  
C) 96.8 ohms                              D) 94.8 ohms

**Answer: C) 96.8 ohms**

29. Which property of a substance is opposing the flow of electric current?

- A) EMF                                      B) Resistance  
C) Voltage                                      D) Current

**Answer: B) Resistance**

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

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

**Answer: B) Stable**

31. Which one of the following geometrical shape's centre of gravity lies from its base is  $1/3$  of its height?

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

**Answer: B) Triangle**

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

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

**Answer: C) At its centre**



