

ITI Quiz W/C - 02- Mar-2026-1 AM

Q. ID: ITISKILL4154VS

March 2026

Trinity, College udhyavara udupi

Question Paper

Duration: 160 Mins

Total Marks: 50

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Student Name: _____ Roll No: _____

1. How the profit / gain is expressed?

- A) % B) \$
C) * D) Rs.

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

2. What is the expanded form of S.P?

- A) Selling Price B) Super Price
C) Special Price D) Selected Price

10. What is the value of 625^0 ?

- A) 1 B) 0
C) 25 D) 525

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

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

11. What is the formula for $a^m \times a^n$?

- A) $n \cdot a^{m+n}$ B) a^{m+n}
C) a^{mn} D) a^{m-n}

4. What is the selling price, if the profit is 5% for a computer table bought at Rs.1150/- with Rs.50/- as a transport charge?

- A) 1260 B) 1160
C) 1060 D) 1620

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

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

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

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

13. What is the value of adding $(5x+2y)$, $(4x - 7z)$ and $(15z - 3y)$?

- A) $x + 9y + 8z$ B) $x - 9y + 8z$
C) $9x + y - 8z$ D) $9x - y + 8z$

6. What is the value of 'X' if $x - y = 6$ and $x + y = 8$?

- A) 6 B) 7
C) 14 D) 5

14. What is the formula to find Loss %?

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

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

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

15. What is the simplified value of $(3x + 15) / 5x + 25$?

- A) $(-5/3)$ B) $(5/3)$
C) $(3/5)$ D) $(-3/5)$

8. What is the formula to find selling price (S.P) if there is a loss?

- A) $((100)/(100+\text{Profit \%})) \times \text{S.P}$ B) $((100)/(100-\text{Loss \%})) \times \text{S.P}$
C) $((100-\text{Loss \%})/(100)) \times \text{C.P}$ D) $((100+\text{Profit \%})/(100)) \times \text{C.P}$

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

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

9. 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/-?

17. What is the value of $14x+3y+25x+2y$?

- A) $16x + 28y$ B) $44xy$
C) $39x + 5y$ D) $17x + 27y$

18. 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. 50000/-
C) Rs. 10000/- D) Rs. 2000/-

19. What is the maturity amount if Rs.20000 is deposited at 5% compound interest per annum for 2 years?

- A) Rs.22000 B) Rs.22050
C) Rs.22500 D) Rs.25000

20. What is the formula to find Profit %?

- A) $\frac{(\text{Profit})}{(\text{C.P.})} \times 100$ B) $\frac{(\text{Profit})}{(\text{S.P.})} \times 100$
C) $\frac{(\text{S.P.}-\text{C.P.})}{(\text{Profit})} \times 100$ D) $\frac{(\text{C.P.})}{(\text{Profit})} \times 100$

21. What is a profit?

- A) Cost price + Selling price B) Cost price - Selling price
C) Selling price - Cost price D) Selling price + Cost price

22. What is the multiplication value of $5a^2 \times 8a^5 \times b^3$?

- A) $40a^3 \times b^2$ B) $40a^2 \times b^3$
C) $40a^4 \times b^7$ D) $40a^7 \times b^4$

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

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

24. What is the expansion of $(a+b+c)^2$?

- A) $a^2 - b^2 - c^2 + 2ab + 2bc + 2ca$ B) $a^2 + b^2 + c^2 - 2ab + 2bc + 2ca$
C) $a^2 + b^2 + c^2 + 2(ab + bc + ca)$ D) $a^2 + b^2 + c^2 + 2ab - 2bc + 2ca$

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

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

26. What is the value of $12x^3y^2 / 4x^2y$?

- A) 16xy B) 8xy
C) 3xy D) (-3xy)

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

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

28. 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

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

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

30. Which affects the centre of gravity of the object

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

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

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

32. What is the value of $a^2 \times a^3 \times a^4$?

- A) a^8 B) a^7
C) a^9 D) a^{10}

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

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

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

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

35. Which is the formula for a^m / a^n ?

- A) a^{mxn} B) a^{m+n}
C) $(a^m)^n$ D) a^{m-n}

36. Which is equal to $(a+b)^2 - (a-b)^2$?

- A) 5ab B) 4ab
C) 3ab D) 2ab

37. What are the three consecutive numbers if their sum is 42?

- A) 14,15,16 B) 11,12,13
C) 13,14,15 D) 12,13,14

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

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

39. What is the value of $(6^3) / ((-3)^3)$?

- A) 27 B) (-27)
C) (-8) D) 8

40. 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.96800/ B) Rs.94800/-
C) Rs.92400/- D) Rs.16800/-

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

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

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

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

43. What is discount?

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

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

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

45. What is the value of x, if $3(2x - 4) = -4x + 28$?

- A) 4 B) 12
C) 6 D) 8

46. What is the matured amount for the deposit of Rs.5000/- and the simple interest earned for Rs.500/-?

- A) Rs.6000 B) Rs.5500
C) Rs.6500 D) Rs.4500

47. How the 'Principal' is denoted in simple interest calculation?

- A) 'I' B) 'P'
C) 'n' D) 'R'

48. What is the interest earned, if the principal is for Rs.12500/- maturity becomes to a amount of Rs.17500/-?

- A) Rs.30000 B) Rs.5500
C) Rs.5000 D) Rs.25000

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

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

50. What is denoted as 'I'?

- A) Rate B) Year
C) Principal D) Interest