

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

Q. ID: ITISKILL4154VS

March 2026

Trinity, College udhyavara udupi

Answer Key

Duration: 160 Mins

Total Marks: 50

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

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

Answer: C) (-8)

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

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

Answer: B) a^{10}

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

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

Answer: A) P & L

4. 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. 9000
D) Rs.10123.20

Answer: D) Rs.10123.20

5. Which affects the centre of gravity of the object

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

Answer: B) Mass

6. 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.34347/-
C) Rs.33347/-
D) Rs.32347/-

Answer: B) Rs.34347/-

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

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

Answer: C) $3xy$

8. 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.16800/-
B) Rs.96800/

C) Rs.92400/-

D) Rs.94800/-

Answer: A) Rs.16800/-

9. What is discount?

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

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

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

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

Answer: B) Stable

11. 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.50
C) Rs.25
D) Rs.55

Answer: B) Rs.50

12. 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) 1060
C) 1160
D) 1620

Answer: A) 1260

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

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

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

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

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

Answer: B) Rs.7490

15. 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. 20000/-
C) Rs. 50000/- D) Rs. 10000/-

Answer: B) Rs. 20000/-

16. What is the formula to find Loss %?

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

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

17. 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) Triangle D) Cone

Answer: C) Triangle

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

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

Answer: C) Rs.22050

19. What is a profit?

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

Answer: D) Selling price - Cost price

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

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

Answer: B) 13,14,15

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

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

Answer: A) 4

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

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

Answer: D) Unstable

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

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

Answer: D) $h/4$

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

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

Answer: D) At its centre

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

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

Answer: B) Rs. 500

26. 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.25000
C) Rs.5000 D) Rs.5500

Answer: C) Rs.5000

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

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

Answer: D) $9x - y + 8z$

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

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

Answer: D) Centre of gravity

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

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

Answer: D) a^{m+n}

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

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

Answer: B) $39x + 5y$

31. Which is the formula for $\frac{a^m}{a^n}$?

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

Answer: B) a^{m-n}

32. 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

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

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

A) Discount price

B) Cost price

C) Margin price

D) Selling price

Answer: B) Cost price
