Trinity, College udhyavara udupi

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

Q. ID: ITISKILL4154VS | March 2026

74.00% 37 / 50

Student Name	Krishna	Access Code	2653
Attempt No.	#1	Completion Time	02:30 PM
Rank	#10	Total Questions	50

37 SCORE | **50** MAX MARKS | **37** CORRECT | **13** INCORRECT

Answer Review

Q1 **CORRECT** What is the value of 14x+3y+25x+2y?

A. 17x + 27y

B. 16x + 28y

C. 39x + 5y □

D. 44xy

Q2 **CORRECT** What is the multiplication value of $5a^2b$ x $8a^5b^3$?

A. $40a^7b^4$ □

B. $40a^3b^2$

C. $40a^4b^7$

D. $40a^2b^3$

Q3 **CORRECT** What is the simplified value of (3x + 15) / 5x + 25)

A. (5/3)

B. (3/5) ☐

C. (-5/3)

D. (-3/5)

Q4 **CORRECT** What is the formula for a^m x a^n?

A. a^{m+n} ☐

B. a^{m-n}

C. a^{mn}

D. $n.a^m$

Q5 **CORRECT** Which is the formula for a^m/ a^n

A. a^{m+n}

B. a^{m-n} ☐

C. a^{mxn}

D. $(a^m)^n$

Q6 **CORRECT** Which is equal to $(a+b)^2$-$(a-b)^2$

A. 2ab

B. 3ab

C. 4ab ☐

D. 5ab

Q7 **INCORRECT** What is the value of $a \times a^2 \times a^3 \times a^4$?

A. a^7

B. a^8

C. a^9 ☒

D. a^{10} ☑

Q8 **CORRECT** What is the value of 625^0?

B. 1 ☑

C. 525

D. 25

Q9 **CORRECT** 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. $9x + y - 8z$

Q10 **CORRECT** What is the value of $12x^3 y^2 / 4x^2 y$?

A. $8xy$

B. $16xy$

C. $3xy$ ☑

D. $(-3xy)$

Q11 **CORRECT** What is the value of x, if 3 (2x - 4) = -4x + 28 ?

A. 4 ☑

B. 8

C. 6

D. 12

Q12 **INCORRECT** What is the expansion of $(a+b+c)^2$?

A. $a^2 + b^2 + c^2 + 2 (ab + bc + ca)$ ☑

B. $a^2 + b^2 + c^2 - 2ab + 2bc + 2ca$ ☒

C. $a^2 + b^2 + c^2 + 2ab - 2bc + 2ca$

D. $a^2 - b^2 - c^2 + 2ab + 2bc + 2ca$

Q13 **CORRECT** What is the value of $(6^3) / ((-3)^3)$?

A. 8

B. (-8) ☑

C. 27

D. (-27)

Q14 **CORRECT** What is the value of 'X' if x - y = 6 and x + y = 8?

A. 5

B. 6

C. 7 ☑

D. 14

Q15 **CORRECT** What are the three consecutive numbers if there sum is 42?

A. 11,12,13

B. 12,13,14

C. 13,14,15 ☑

D. 14,15,16

Q16 **CORRECT** Which affects the centre of gravity of the object

A. Weight

B. Mass ☑

C. Density

D. Shape

Q17 **CORRECT** 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

Q18 **CORRECT** Where the centre of gravity of a circle lies?

A. At its centre ☑

B. Any where on its radius

C. Any where on its circumference

D. Any where on its diameter

Q19 **CORRECT** What is the centre of gravity of a right circular cone from its base?

A. h/2

B. h/3

C. h/4 ☐

D. h/5

Q20 **CORRECT** What is the centre of gravity of a rectangular body?

A. Longer side of rectangle

B. Shorter side of rectangle

C. At the point of intersection of its diagonals ☐

D. At the corners

Q21 **CORRECT** 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

Q22 **INCORRECT** Which state of equilibrium's example is A cone resting on its tip?

A. Stable

B. Neutral ☐

C. Unstable ☐

D. Horizontal

Q23 **INCORRECT** 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 ☐

Q24 **INCORRECT** Which state of equilibrium's example is, A cone resting on its base?

A. Un-stable

B. Neutral

C. Stable ☐

D. Bothe A and B ☐

Q25 **INCORRECT** What is the centre of gravity of a semi circle of diameter 12 cm?

A. 2.24 cm

B. 2.54 cm ☐

C. 3.25 cm ☐

D. 2.75 cm

Q26 **CORRECT** What is discount?

A. Selling price is less than Cost price

B. Selling price is greater than Cost price

C. The reduction given to the selling price of a product ☐

D. Selling price + discount

Q27 **INCORRECT** What is a profit?

A. Selling price - Cost price ✓

B. Cost price - Selling price

C. Selling price + Cost price ✗

D. Cost price + Selling price

Q28 **CORRECT** What is the term, if an article is purchased?

A. Selling price

B. Cost price ✓

C. Margin price

D. Discount price

Q29 **CORRECT** What is the expanded form of S.P?

A. Selected Price

B. Special Price

C. Selling Price ✓

D. Super Price

Q30 **INCORRECT** Which is the short form of profit and loss statement?

A. P & L ✓

B. PR & LS

C. PRO & LOS ✗

D. L & P

Q31 `CORRECT` What is denoted as 'I'?

A. Principal

B. Interest ☑

C. Rate

D. Year

Q32 `INCORRECT` How the 'Principal' is denoted in simple interest calculation?

A. 'P' ☑

B. 'I'

C. 'R' ☒

D. 'n'

Q33 `CORRECT` How the profit / gain is expressed?

A. Rs.

B. $

C. % ☑

D. *

Q34 `INCORRECT` What is the formula to find Loss %?

A. (Lossx100)/(C.P) ☑

B. (CP)/(Lossx100)

C. (Loss+100)/(S.P)

D. (S.P)/(Loss+100) ☒

Q35 **INCORRECT** What is the formula to find selling price (S.P) if there is a loss?

A. ((100)/(100+Profit %))xS.P

B. ((100+Profit %)/(100))xC.P ☐

C. ((100)/(100-Loss %))xS.P

D. ((100-Loss %)/(100))xC.P ☐

Q36 **CORRECT** What is the formula to find Profit %?

A. ((C.P)/(Profit))x100

B. ((Profit)/(S.P))x100

C. ((S.P-C.P)/(Profit))x100

D. ((Profit)/(C.P))x100 ☐

Q37 **CORRECT** 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. 10000/-

C. Rs. 20000/- ☐

D. Rs. 50000/-

Q38 **CORRECT** 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. 1160

B. 1620

C. 1060

D. 1260 ☐

Q39 **CORRECT** What is the cost price if the product is sold at Rs. 572 with a profit of Rs. 72?

A. Rs. 500 ☐

B. Rs. 1000

C. Rs. 644

D. Rs. 472

Q40 **CORRECT** What is the profit % if the cost price of 16 bolts is equal to the selling price of 12 bolts?

A. 13.33

B. 23.33

C. 33.33 ☐

D. 43.33

Q41 **CORRECT** What is the selling price if the cost price is Rs.7282/- with a profit of Rs.208?

A. Rs.7074

B. Rs.7698

C. Rs.7290

D. Rs.7490 ☐

Q42 **CORRECT** 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.20000/-

D. Rs.25000/-

Q43 **INCORRECT** 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

Q44 **CORRECT** What is the matured amount for the deposit of Rs.5000/- and the simple interest earned for Rs.500/-?

A. Rs.4500

B. Rs.5500 ☐

C. Rs.6000

D. Rs.6500

Q45 **CORRECT** 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/- ☐

Q46 **INCORRECT** 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.92400/- ☐

C. Rs.96800/

D. Rs.94800/-

Q47 **CORRECT** 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.32347/-

C. Rs.33347/-

D. Rs.34347/-

Q48 **CORRECT** 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

Q49 **CORRECT** 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

Q50 **CORRECT** What is the compound interest on a principal of Rs.25000/- after 3 years at the rate of 12% per annum?

A. Rs. 9000

B. Rs.9720

C. Rs.10123.20

D. Rs.10483.20