ITI Quiz - 06-Feb-2026 10:44 PM

Q. ID: ITISKILL54961J | February 2026

68.00% 17 / 25

Student Name	Poornima	Access Code	1413
Attempt No.	#1	Completion Time	10:53 PM
Rank	#1	Total Questions	25

17 SCORE	**25** MAX MARKS	**17** CORRECT	**8** INCORRECT

Answer Review

Q1 `CORRECT` Which is the formula for a^m / a^n

A. a^{m+n}

B. a^{m-n} ☐

C. a^{mxn}

D. $(a^m)^n$

Q2 `INCORRECT` 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 ☐

Q3 `INCORRECT` Which is the expansion of $a^3 + b^3$?

A. (a-b) $(a^2 + b^2 - ab)$ ☐

B. (a+b) $(a^2 + b^2 - ab)$ ☐

C. $a^3 + b^3 + 3ab (a+b)$

D. $a^3 - b^3 + 3ab (a-b)$

Q4 `CORRECT` What is the value of a^2+b^2 if a+b=9 and ab = 20?

A. 121

B. (-121)

C. 41 ☐

D. (-41)

Q5 `CORRECT` Which machine converts mechanical energy into electrical energy?

A. Battery

B. Generator ☐

C. Heater

D. Iron box

Q6 `INCORRECT` Which is equal to electric power?

A. R^2I watts

B. I^2R watts ☐

C. RI ☐

D. IRA

Q7 `CORRECT` Which is the unit electrical power?

A. Volts

B. Ohms

C. Watts ☐

D. Ampere

Q8 **CORRECT** What is the term used for maximum stress attained by a material before rupture?

A. Tensile stress

B. Compressive stress

C. Working stress

D. Ultimate stress ☐

Q9 **CORRECT** Which authority publishes schedule of rates?

A. Individual

B. Corporate

C. Partnership firm

D. Government department ☐

Q10 **INCORRECT** What is the term, for the details of materials, brand name, grade of quality, rating of current and voltage etc.?

A. Drawing

B. Specification of materials ☐

C. Raw materials ☐

D. Price catalogue

Q11 **CORRECT** Which affects the centre of gravity of the object

A. Weight

B. Mass ☐

C. Density

D. Shape

Q12 **CORRECT** What is the co-efficient of linear expansion of a rod if it is found to be 100 m long at 20 Degree C and 100.14 m long at 100 Degree C?

A. 1.75 x 10-4 / Degree C

B. 1.75 x 10-5 / Degree C ☐

C. 1.75 x 10-6 / Degree C

D. 1.75 x 10-7 / Degree C

Q13 **INCORRECT** What is the name of fixed or supporting point of a lever?

A. Mechanical advantage

B. Fulcrum ☐

C. Effort ☐

D. Load

Q14 **CORRECT** What is termed as the quantity of matter contained in a body?

A. Density

B. Volume

C. Mass ☐

D. Specific gravity

Q15 **CORRECT** What is called mass per unit volume of a substances?

A. Mass

B. Weight

C. Density ☐

D. Volume

Q16 **CORRECT** What is the carbon percentage in low carbon steel?

A. 0.02% to 0.03%

B. 0.15% to 0.25% ☑

C. 0.25% to 0.50%

D. 0.50% to 1.50%

Q17 **CORRECT** What is the area of an equilateral triangle of side 450 mm?

A. 856.82 cm^2

B. 866.82 cm^2

C. 876.82 cm^2 ☑

D. 886.82 cm^2

Q18 **CORRECT** Find the total surface area of cube whose side is 25 cm.

A. 3740 cm^2

B. 3745 cm^2

C. 3750 cm^2 ☑

D. 3755 cm^2

Q19 **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

Q20 **CORRECT** What is denoted as 'I'?

A. Principal

B. Interest ☑

C. Rate

D. Year

Q21 **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/- ☑

Q22 **INCORRECT** How much is 8% of 40 kg?

A. 2.2 kg

B. 3.2 kg ☑

C. 4.2 kg ☒

D. 5.2 kg

Q23 **INCORRECT** What is the height of the wall where the ladder touches the wall if the ladder is 2.5 m long makes an angle of 60 Degree with the ground?

A. 4.13 m

B. 4.23 m ☒

C. 2.165 m ☑

D. 4.43 m

Q24 **CORRECT** What is the height of the building if a ladder at 45 Degree touches the building placed 16 m from the base of the building?

A. 15 m

B. 16 m ☐

C. 17 m

D. 18 m

Q25 **CORRECT** What is the LCM of 12, 18, 6, 36?

A. 12

B. 18

C. 36 ☐

D. 42