

# ITI Quiz - 06-Feb-2026

## 10:44 PM

Q. ID: ITISKILL54961J

February 2026

Answer Key

Duration: 30 Mins

Total Marks: 25

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1. What is denoted as 'I'?

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

Answer: D) Interest

2. What is termed as the quantity of matter contained in a body?

- A) Density  
B) Volume  
C) Specific gravity  
D) Mass

Answer: D) Mass

3. 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

Answer: B) 16 m

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

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

Answer: D) Rs.34347/-

5. 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)  $1.75 \times 10^{-4}$  / Degree C  
B)  $1.75 \times 10^{-5}$  / Degree C  
C)  $1.75 \times 10^{-7}$  / Degree C  
D)  $1.75 \times 10^{-6}$  / Degree C

Answer: B)  $1.75 \times 10^{-5}$  / Degree C

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

- A) Specification of materials  
B) Price catalogue  
C) Drawing  
D) Raw materials

Answer: A) Specification of materials

7. Which affects the centre of gravity of the object

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

Answer: C) Mass

8. Which is the unit electrical power?

- A) Watts  
B) Volts

- C) Ohms  
D) Ampere

Answer: A) Watts

9. Which authority publishes schedule of rates?

- A) Government department  
B) Corporate  
C) Partnership firm  
D) Individual

Answer: A) Government department

10. What is the area of an equilateral triangle of side 450 mm?

- A)  $856.82 \text{ cm}^2$   
B)  $866.82 \text{ cm}^2$   
C)  $876.82 \text{ cm}^2$   
D)  $886.82 \text{ cm}^2$

Answer: C)  $876.82 \text{ cm}^2$

11. What is the carbon percentage in low carbon steel?

- A) 0.50% to 1.50%  
B) 0.02% to 0.03%  
C) 0.25% to 0.50%  
D) 0.15% to 0.25%

Answer: D) 0.15% to 0.25%

12. Which is equal to electric power?

- A)  $R^2 I$  watts  
B)  $IR^2$   
C)  $I^2 R$  watts  
D)  $RI$

Answer: C)  $I^2 R$  watts

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)  $9x + y - 8z$

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

14. What is the LCM of 12, 18, 6, 36?

- A) 18  
B) 36  
C) 42  
D) 12

Answer: B) 36

15. What is a profit?

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

Answer: D) Selling price - Cost price

16. 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) 2.165 m  
C) 4.43 m                      D) 4.23 m

**Answer: B) 2.165 m**

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

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

**Answer: A)  $a^m \cdot n$**

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

**Answer: A)  $(a+b)(a^2 + b^2 - ab)$**

19. What is the term used for maximum stress attained by a material before rupture?

- A) Tensile stress                      B) Working stress  
C) Compressive stress                      D) Ultimate stress

**Answer: D) Ultimate stress**

20. What is the name of fixed or supporting point of a lever?

- A) Fulcrum                      B) Mechanical advantage  
C) Effort                      D) Load

**Answer: A) Fulcrum**

21. Which machine converts mechanical energy into electrical energy?

- A) Heater                      B) Generator  
C) Iron box                      D) Battery

**Answer: B) Generator**

22. Find the total surface area of cube whose side is 25 cm.

- A)  $3755 \text{ cm}^2$                       B)  $3740 \text{ cm}^2$   
C)  $3750 \text{ cm}^2$                       D)  $3745 \text{ cm}^2$

**Answer: C)  $3750 \text{ cm}^2$**

23. What is the value of  $a^2 + b^2$  if  $a+b=9$  and  $ab = 20$ ?

- A) 121                      B) (-121)  
C) 41                      D) (-41)

**Answer: C) 41**

24. What is called mass per unit volume of a substances?

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

**Answer: B) Density**

25. How much is 8% of 40 kg?

- A) 3.2 kg                      B) 4.2 kg  
C) 5.2 kg                      D) 2.2 kg

**Answer: A) 3.2 kg**