

ITI Quiz - 06-Jul-2026

02:00 PM

Q. ID: ITISKILL3671KY

July 2026

Trinity, College udhyavara udupi

Answer Key

Duration: 180 Mins

Total Marks: 25

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1. How many watts for 1 horse power in metric system?

- A) 745.5 watts B) 735.5 watts
C) 725.5 watts D) 755.5 watts

Answer: B) 735.5 watts

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

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

Answer: C) 'P'

3. 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.55 B) Rs.5
C) Rs.25 D) Rs.50

Answer: D) Rs.50

4. What does EMF stands for?

- A) Electromated Force B) Electro Motive Force
C) Electronic Magnetic Force D) Electro Magnetic Force

Answer: B) Electro Motive Force

5. What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

- A) 0.10 m/sec^2 B) 0.30 m/sec^2
C) 0.20 m/sec^2 D) 0.40 m/sec^2

Answer: B) 0.30 m/sec^2

6. 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

Answer: B) Rs.5500

7. What is the area of a sector of a circle of radius 5 cm and its angle is 96 Degree?

- A) 20.39 cm^2 B) 20.93 cm^2
C) 20.89 cm^2 D) 20.98 cm^2

Answer: B) 20.93 cm^2

8. Which is the formula for $a^m \times a^n$?

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

Answer: A) a^{m-n}

9. Which is the example for dynamically induced Emf?

- A) Car B) Generator
C) Motor bike D) Motor

Answer: B) Generator

10. What is the diameter of the circle, if the area of the circle is 78.5 cm^2 ?

- A) 10 cm B) 5.5 cm
C) 5 cm D) 15 cm

Answer: A) 10 cm

11. Which is example for second order lever?

- A) Bottle opener B) Human forearm
C) Common balance D) A pair of scissors

Answer: A) Bottle opener

12. What is the length of arc of a sector, whose radius is 15 cm and angle is 40 Degree?

- A) 9.75 cm B) 10.60 cm
C) 10.4 cm D) 9.8 cm

Answer: C) 10.4 cm

13. What is the profit amount, if the i - phone cost price is Rs.50000/- and selling price is Rs.70000/-?

- A) Rs. 10000/- B) Rs. 2000/-
C) Rs. 20000/- D) Rs. 50000/-

Answer: C) Rs. 20000/-

14. What is the relative permittivity of rubber?

- A) Between 2 and 3 B) Between 5 and 6
C) Between 8 and 10 D) Between 12 and 14

Answer: A) Between 2 and 3

15. Which insulating material is used for making switches?

- A) PVC B) Porcelain
C) Bakelite D) Ebonite

Answer: C) Bakelite

16. What is the formula for $a^m \times x$?

a^n ?

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

Answer: C) a^{m+n}

17. Which property of a metal enables it by which it can be drawn out into wires under tension without rupture?

- A) Ductility B) Malleability
C) Hardness D) Brittleness

Answer: A) Ductility

18. What is the subtracted value of $3x - 4x^2 + 2y^2$ from $4y^2 - 2x + 8x^2$?

- A) $2y^2 + 5x - 12x^2$ B) $2y^2 - 5x + 12x^2$
C) $(-2y^2 - 5x + 12x^2)$ D) $2y^2 - 5x - 12x^2$

Answer: B) $2y^2 - 5x + 12x^2$

19. What is the weight of a rectangular block of a cast iron of 250cm X 20cm X 8cm (density of cast iron is 7.8 gm/cm³)?

- A) 312 kg B) 372 kg
C) 525 kg D) 410 kg

Answer: A) 312 kg

20. Which property of a metal possessed by it melts when heat is applied?

- A) Conductivity B) Tenacity

C) Malleability

D) Fusibility

Answer: D) Fusibility

21. What is the value of x, if $x^*(120) = 960$?

- A) 10 B) 8
C) 6 D) 7

Answer: B) 8

22. What is the ratio of change in length to original length?

- A) Volumetric strain B) Poisson's ratio
C) Lateral strain D) Linear strain

Answer: D) Linear strain

23. How many watts for 1 horse power in British system?

- A) 756 watts B) 726 watts
C) 736 watts D) 746 watts

Answer: D) 746 watts

24. What is the density of aluminium?

- A) 5.7 g/cm³ B) 4.7 g/cm³
C) 2.7 g/cm³ D) 3.7 g/cm³

Answer: C) 2.7 g/cm³

25. What denotes letter $\square$ M $\square$ in MKS system?
 ವ್ಯವಸ್ಥೆಯಲ್ಲಿ $\square$ ಎಂ $\square$ ಅಕ್ಷರ ಏನನ್ನು ಸೂಚಿಸುತ್ತದೆ?

- A) Micron B) Millimeter
C) Meter D) Mile

Answer: C) Meter