

ITI Quiz - 06-Jul-2026

02:00 PM

Q. ID: ITISKILL3671KY

July 2026

Trinity, College udhyavara udupi

Question Paper

Duration: 180 Mins

Total Marks: 25

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Student Name: _____ Roll No: _____

1. Which insulating material is used for making switches?

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

A) Brittleness

B) Ductility

C) Malleability

D) Hardness

2. What does EMF stands for?

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

10. 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.50

B) Rs.25

C) Rs.5

D) Rs.55

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

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

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

A) Rs.6500

B) Rs.4500

C) Rs.5500

D) Rs.6000

4. Which is the formula for $a^m \times a^n$ / $a^m \div a^n$

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

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

A) 'I'

B) 'P'

C) 'n'

D) 'R'

5. 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) 372 kg B) 410 kg
C) 525 kg D) 312 kg

13. What is the value of x, if $x \times (120) = 960$?

A) 6

B) 7

C) 8

D) 10

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

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

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

A) 5.5 cm

B) 15 cm

C) 5 cm

D) 10 cm

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

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

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. 50000/-

C) Rs. 20000/-

D) Rs. 10000/-

8. What is the relative permittivity of rubber?

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

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

A) Conductivity

B) Malleability

C) Tenacity

D) Fusibility

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

17. What is the density of aluminium?

A) 3.7 g/cm^3

B) 2.7 g/cm^3

C) 5.7 g/cm^3 D) 4.7 g/cm^3

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

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

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

19. Which is example for second order lever?

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

20. Which is the example for dynamically induced Emf?

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

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

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

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

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

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

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

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

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

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

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