ITI Quiz - 06-Jul-2026 02:00 PM

Q. ID: ITISKILL0459IX

July 2026 | **Trinity, College udhyavara udupi** | Question Paper

Duration: 180 Mins | **Total Marks: 25** | **ID: ITISKILL0459IX**

Student Name: _____ Roll No: _____

1. 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

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

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

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

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

4. What is the relative permittivity of rubber?

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

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

A) Rs.6000
B) Rs.4500
C) Rs.5500
D) Rs.6500

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

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

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

A) Fusibility
B) Conductivity
C) Malleability
D) Tenacity

8. 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.55
C) Rs.25
D) Rs.5

9. What is the subtracted value of 3x - 4x² +2y² from 4y²-2x + 8x²?

A) 2y²+ 5x -12x²
B) 2y²- 5x + 12x²
C) (-2y²-5x + 12x²)
D) 2y² - 5x -12x²

10. 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. 50000/-
D) Rs. 20000/-

11. Which insulating material is used for making switches?

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

12. What does EMF stands for?

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

13. What is the density of aluminium?

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

14. Which is the formula for a^m/ aⁿ

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

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

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

16. What denotes letter □ M□ in MKS system?ಎಂಕೆಎಸ್ ವ್ಯವಸ್ಥೆಯಲ್ಲಿ □ಎಂ□ ಅಕ್ಷರ ಏನನ್ನು ಸೂಚಿಸುತ್ತದೆ?

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

17. What is the retardation of a car moving with a velocity of

50 km/hr is brought to rest in 45 seconds?

A) 0.40 m/sec² B) 0.10 m/sec²
C) 0.20 m/sec² D) 0.30 m/sec²

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

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

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

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

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

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

21. Which is the example for dynamicallly induced Emf?

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

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

A) 20.39 cm² B) 20.98 cm²
C) 20.93 cm² D) 20.89 cm²

23. What is the formula for a^m x aⁿ?

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

24. What is the diameter of the circle, if the area of the circle is 78.5cm²?

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

25. Which is example for second order lever?

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