

Trinity, College udhyavara udupi

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

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Student Name	Vanur	Access Code	2271
Attempt No.	#1	Completion Time	02:16 PM
Rank	#1	Total Questions	25

13 SCORE

25 MAX MARKS

13 CORRECT

12 INCORRECT

Answer Review

Q1 **CORRECT** What is the value of x, if $x \times (120) = 960$?

A. 6

B. 7

C. 8 ☒

D. 10

Q2 **INCORRECT** What is the formula for $a^m \times a^n$?

A. a^{m+n} ☒

B. a^{m-n}

C. a^{mn}

D. $n \cdot a^m$ ☐

Q3 **CORRECT** Which is the formula for a^m / a^n

A. a^{m+n}

B. a^{m-n} ☒

C. $a^{m \times n}$

D. $(a^m)^n$

Q4 **INCORRECT** 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. $(-2y^2 - 5x + 12x^2)$

Q5 **CORRECT** What is the length of arc of a sector, whose radius is 15 cm and angle is 40 Degree?

A. 9.75 cm

B. 9.8 cm

C. 10.60 cm

D. 10.4 cm ☒

Q6 **INCORRECT** What is the diameter of the circle, if the area of the circle is 78.5cm^2 ?

A. 5 cm

B. 10 cm ☒

C. 15 cm ☐

D. 5.5 cm

Q7 **INCORRECT** What does EMF stands for?

A. Electronic Magnetic Force

B. Electro Motive Force ☒

C. Electro Magnetic Force ☐

D. Electromated Force

Q8 **CORRECT** Which is the example for dynamically induced Emf?

A. Motor

B. Generator ☒

C. Car

D. Motor bike

Q9 **CORRECT** What is the ratio of change in length to original length?

A. Linear strain ☒

B. Lateral strain

C. Volumetric strain

D. Poisson's ratio

Q10 **INCORRECT** 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 ☐

Q11 **INCORRECT** 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. 312 kg ☐

B. 372 kg ☐

C. 410 kg ☒

D. 525 kg ☐

Q12 **INCORRECT** Which is example for second order lever?

A. Common balance ☐

B. A pair of scissors ☒

C. Bottle opener ☐

D. Human forearm ☐

Q13 **INCORRECT** What is the density of aluminium?

A. 2.7 g/cm³ ☐

B. 3.7 g/cm³ ☐

C. 4.7 g/cm³ ☒

D. 5.7 g/cm³ ☐

Q14 **CORRECT** Which property of a metal possessed by it melts when heat is applied?

A. Conductivity ☐

B. Malleability ☐

C. Fusibility ☐

D. Tenacity ☐

Q15 **CORRECT** 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

Q16 **CORRECT** Which insulating material is used for making switches?

A. Porcelain

B. PVC

C. Bakelite ☒

D. Ebonite

Q17 **INCORRECT** 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

Q18 **CORRECT** How the 'Principal' is denoted in simple interest calculation?

A. 'P' ☒

B. 'I'

C. 'R'

D. 'n'

Q19 **CORRECT** 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. 10000/-

C. Rs. 20000/- ☒

D. Rs. 50000/-

Q20 **INCORRECT** 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

Q21 **INCORRECT** 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.5

B. Rs.25 ☐

C. Rs.50 ☒

D. Rs.55

Q22 **INCORRECT** 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/sec^2 ☐

B. 0.30 m/sec^2 ☒

C. 0.20 m/sec^2

D. 0.10 m/sec^2

Q23 **CORRECT** How many watts for 1 horse power in metric system?

A. 725.5 watts

B. 735.5 watts ☒

C. 745.5 watts

D. 755.5 watts

Q24 **CORRECT** How many watts for 1 horse power in British system?

A. 726 watts

B. 736 watts

C. 746 watts ☒

D. 756 watts

Q25 **CORRECT** What denotes letter m in MKS system? ಏಕಮಾನ ವ್ಯವಸ್ಥೆಯಲ್ಲಿ m ಎಂಬ ಅಕ್ಷರ ಏನನ್ನು ಸೂಚಿಸುತ್ತದೆ?

A. Mile

B. Meter ☒

C. Millimeter

D. Micron