

GOVT ITI MEN MANGALORE

ITI Quiz - 30-May-2026 09:11 AM

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Student Name	Vinith g	Access Code	8062
Attempt No.	#1	Completion Time	11:58 AM
Rank	#21	Total Questions	25

9 SCORE

25 MAX MARKS

9 CORRECT

16 INCORRECT

Answer Review

Q1 **INCORRECT** What is the value of $14x+3y+25x+2y$?

A. $17x + 27y$

B. $16x + 28y$

C. $39x + 5y$ ☐

D. $44xy$ ☐

Q2 **CORRECT** What is the value of adding $(5x+2y)$, $(4x - 7z)$ and $(15z - 3y)$?

A. $9x - y + 8z$ ☐

B. $x - 9y + 8z$

C. $x + 9y + 8z$

D. $9x + y - 8z$

Q3 **INCORRECT** What is the value of x, if $3(2x - 4) = -4x + 28$?

A. 4 ☐

B. 8 ☐

C. 6

D. 12

Q4 **INCORRECT** What is the value of $a^2 + b^2$ if $a + b = 9$ and $ab = 20$?

A. 121

B. (-121) ☐

C. 41 ☐

D. (-41)

Q5 **INCORRECT** What is the radius of a circle whose diameter is 44 cm?

A. 44 cm ☐

B. 22 cm ☐

C. 23 cm

D. 20 cm

Q6 **INCORRECT** What is the current?

R = 50 Ohms

220 Volts

I = ____ Amps

A. 4.1 Amps ☐

B. 4.2 Amps

C. 4.3 Amps

D. 4.4 Amps ☐

Q7 **CORRECT** What is the unit of strain?

A. Kg/cm^2

B. Newton/metre^2

C. Metre

D. No unit ☒

Q8 **INCORRECT** What is the ratio of ultimate load to area of original cross section?

A. Factor of safety ☐

B. Yield point

C. Ultimate stress ☒

D. Youngs modulus

Q9 **CORRECT** What is the ratio of shear stress to shear strain?

A. Modulus of elasticity

B. Modulus of rigidity ☒

C. Bulk modulus

D. Yield point

Q10 **INCORRECT** What is the minimum permissible size of aluminium wire used in estimation?

A. 1.5 sq.mm ☒

B. 2.5 sq.mm

C. 5 sq.mm

D. 3.5 sq.mm ☐

Q11 **CORRECT** What is the weight of the iron ball has volume of 250 cc and density 7.5 gm/cc?

A. 1750 gram

B. 1875 gram ☒

C. 1975 gram

D. 1785 gram

Q12 **INCORRECT** What is the total cost to assemble 10 personal computer systems, spares cost as given for one system: 1 TB hard disc Rs.4500/-, Intel i3 mother board Rs.7000/-, SMPS Rs.2500/-, monitor Rs.6000/-, keyboard Rs.1000/-, other material cost (Switches, USB, Cabl

A. Rs.275000/- ☒

B. Rs.250000/- ☐

C. Rs.225000/-

D. Rs.265000/-

Q13 **CORRECT** Which instrument is used to measure heat?

A. Calorie meter ☒

B. Thermometer

C. Pyrometer

D. Barometer

Q14 **CORRECT** What is the melting point of aluminium?

A. 660 Degree C ☒

B. 680 Degree C

C. 670 Degree C

D. 620 Degree C

Q15 **INCORRECT** What effort required to lift a load of 150 kg in a wheel and axle, if the velocity ratio is 2.5 and the efficiency of the machine is 75%?

A. 70 kg ☐

B. 80 kg ☒

C. 90 kg ☐

D. 100 kg ☐

Q16 **INCORRECT** Which one is non-metal?

A. Mercury ☐

B. Graphite ☒

C. Brass ☐

D. Iron ☐

Q17 **CORRECT** Which mechanical property of a metal offers resistance to elastic deformation in a cutting tool?

A. Ductility ☐

B. Malleability ☐

C. Hardness ☒

D. Toughness ☐

Q18 **CORRECT** What is the side of a square whose area is 625 mm^2 ?

A. 15 mm ☐

B. 20 mm ☐

C. 25 mm ☒

D. 30 mm ☐

Q19 **INCORRECT** How many liters of water a cylindrical tank of radius 75 cm and height 100 cm can hold?

A. 1766.25 liters ☐

B. 1767.25 liters

C. 1768.25 liters ☐

D. 1769.25 liters

Q20 **INCORRECT** What is the expanded form of S.P?

A. Selected Price

B. Special Price ☐

C. Selling Price ☐

D. Super Price

Q21 **INCORRECT** What is the formula to find Profit %?

A. $((C.P)/(\text{Profit})) \times 100$ ☐

B. $((\text{Profit})/(S.P)) \times 100$

C. $((S.P - C.P)/(\text{Profit})) \times 100$

D. $((\text{Profit})/(C.P)) \times 100$ ☐

Q22 **CORRECT** What is the compound interest on a principal of Rs.25000/- after 3 years at the rate of 12% per annum?

A. Rs. 9000

B. Rs.9720

C. Rs.10123.20 ☐

D. Rs.10483.20

Q23 **INCORRECT** What is the percentage of copper if the casting weight of copper 42.3 kg and tin weight 2.7 kg?

A. Cu 92%

B. Cu 94% ☒

C. Cu 96%

D. Cu 98% ☐

Q24 **INCORRECT** What is the angle of elevation of the top of a light house of 15 m height seen at a point 15 m away from the base?

A. 30 Degree

B. 45 Degree ☒

C. 60 Degree

D. 90 Degree ☐

Q25 **INCORRECT** Simplify: $(\frac{3}{4}) + (\frac{2}{5}) - (\frac{5}{20})$

A. $(\frac{3}{10})$ ☐

B. $(\frac{9}{10})$ ☒

C. $(\frac{12}{10})$

D. $(\frac{13}{10})$