

GOVT ITI MEN MANGALORE

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

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Student Name	Nikesh	Access Code	4332
Attempt No.	#1	Completion Time	10:12 AM
Rank	#18	Total Questions	25

19 SCORE

25 MAX MARKS

19 CORRECT

6 INCORRECT

Answer Review

Q1 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** What is the expanded form of S.P?

A. Selected Price

B. Special Price

C. Selling Price ☐

D. Super Price

Q21 **CORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** Simplify: $(\frac{3}{4}) + (\frac{2}{5}) - (\frac{5}{20})$

A. $(\frac{3}{10})$

B. $(\frac{9}{10})$ ☒

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

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