

# GOVT ITI MEN MANGALORE

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

Q. ID: ITISKILL3225XS | May 2026

88.00% 22 / 25

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|--------------|---------|-----------------|----------|
| Student Name | Darshan | Access Code     | 2232     |
| Attempt No.  | #1      | Completion Time | 10:23 AM |
| Rank         | #13     | Total Questions | 25       |

22 SCORE

25 MAX MARKS

22 CORRECT

3 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 **CORRECT** 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 **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?

<br>

R = 50 Ohms

<br>

220 Volts

<br>

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.  $\text{Kg/cm}^2$

B.  $\text{Newton/metre}^2$

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** **CORRECT** 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** **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  $625 \text{ mm}^2$ ?

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