

# GOVT ITI HOLENARASIPURA

## MOCK TEST -18

Q. ID: ITISKILL0655E4 | June 2026

95.00% 38 / 40

|              |             |                 |          |
|--------------|-------------|-----------------|----------|
| Student Name | Praju gowda | Access Code     | 1704     |
| Attempt No.  | #2          | Completion Time | 02:30 PM |
| Rank         | #16         | Total Questions | 40       |

38 SCORE

40 MAX MARKS

38 CORRECT

2 INCORRECT

### Answer Review

Q1 CORRECT Which is the unit of current?

A. Ampere

B. Volt

C. Ohm

D. Watt

Q2 CORRECT Which is the unit of resistance?

A. Ampere

B. Volt

C. Ohm

D. Watt

Q3 **CORRECT** What is the flow of electrons in any conductor?

A. Voltage

B. Current ☒

C. Resistance

D. Power

Q4 **CORRECT** Which property of a substance is opposing the flow of electric current?

A. Current

B. Voltage

C. Resistance ☒

D. EMF

Q5 **CORRECT** Which is same in series connection of resistors in a circuit?

A. Current ☒

B. Voltage

C. Resistance

D. Power

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** How much watt second in 1 watt hour?

- A. 1000 watt sec
- B. 2000 watt sec
- C. 3600 watt sec ☒
- D. 4000 watt sec

**Q8** **CORRECT** How much power does it consumes if an electric heater draws a current of 10 amps at 200 volts?

- A. 2000 watts ☒
- B. 2010 watts
- C. 2020 watts
- D. 2030 watts

**Q9** **CORRECT** What is the resistance of an electric iron if the rating of electric iron is 220 V and 500 watts?

- A. 94.8 ohms
- B. 95.8 ohms
- C. 96.8 ohms ☒
- D. 97.8 ohms

**Q10** **CORRECT** What is the unit of intensity of magnetic field?

- A. wb/m ☒
- B. m/wb
- C. Hertz
- D. Coloumb

**Q11** **CORRECT** What does EMF stands for?

**A.** Electronic Magnetic Force

**B.** Electro Motive Force ☒

**C.** Electro Magnetic Force

**D.** Electromated Force

**Q12** **CORRECT** Which one of the following properties is the mechanical properties of metal?

**A.** Fusibility

**B.** Ductility ☒

**C.** Corrosion

**D.** Structure

**Q13** **CORRECT** Which is brittle metal?

**A.** Cast iron ☒

**B.** Steel

**C.** Mild steel

**D.** Alloy steel

**Q14** **CORRECT** Which property of material enables to formation of permanent deformation without fracture?

**A.** Elasticity

**B.** Plasticity ☒

**C.** Ductility

**D.** Brittleness

**Q15** **CORRECT** Which metal cannot be forged?

**A.** Alloy steel

**B.** Mild steel

**C.** Steel

**D.** Cast iron ☒

**Q16** **CORRECT** What is the name of furnace to obtained cast iron?

**A.** Cupola ☒

**B.** Mild steel - Blast furnace

**C.** Steel - Rever battery

**D.** Alloy metal - Electric furnace

**Q17** **CORRECT** What is the carbon percentage in medium carbon steel?

**A.** 0.05% to 0.15%

**B.** 0.15% to 0.25%

**C.** 0.25% to 0.5% ☒

**D.** 0.5% to 1.5%

**Q18** **CORRECT** What is the carbon percentage in high carbon steel?

**A.** 0.02% to 0.03%

**B.** 0.15% to 0.25%

**C.** 0.25% to 0.50%

**D.** 0.50% to 1.50% ☒

**Q19** **CORRECT** Which among the following is an insulator?

A. Copper

B. Aluminium

C. Silver

D. Mica ☒

**Q20** **CORRECT** What is the area of a right angled triangle having a base 10 cm and height 5 cm?

A. 20 sq.cm

B. 25 sq.cm ☒

C. 30 sq.cm

D. 35 sq.cm

**Q21** **CORRECT** What is the area of a circle of diameter 50 cm?

A.  $1932.5 \text{ cm}^2$

B.  $1942.5 \text{ cm}^2$

C.  $1952.5 \text{ cm}^2$

D.  $1962.5 \text{ cm}^2$  ☒

**Q22** **CORRECT** What is the area of a sector of a circle of radius 5 cm and its angle is 96 Degree?

A.  $20.39 \text{ cm}^2$

B.  $20.93 \text{ cm}^2$  ☒

C.  $20.89 \text{ cm}^2$

D.  $20.98 \text{ cm}^2$

**Q23** **CORRECT** What is the area of an ellipse if the major and minor axes are 5 cm and 3 cm respectively?

A.  $27 \text{ cm}^2$

B.  $37 \text{ cm}^2$

C.  $47 \text{ cm}^2$  ☒

D.  $57 \text{ cm}^2$

**Q24** **INCORRECT** What is called if a body does not change its position with respect to its surroundings?

A. Body at motion ☐

B. Body at rest ☒

C. Speed

D. Velocity

**Q25** **CORRECT** What is called if a body changes its position with respect to its surroundings?

A. Body at rest

B. Body at motion ☒

C. Speed

D. Velocity

**Q26** **INCORRECT** What is velocity of a body travels a distance of 168 metres in a line in 21 seconds?

A. 6 m/sec

B. 8 m/sec ☒

C. 10 m/sec ☐

D. 12 m/sec

**Q27** **CORRECT** What is the speed of a train of 80 metre long train passes a railway station platform of 120 metres length in 20 seconds?

A. 30 km/hour

B. 32 km/hour

C. 34 km/hour

D. 36 km/hour ☒

**Q28** **CORRECT** What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

A.  $0.40 \text{ m/sec}^2$

B.  $0.30 \text{ m/sec}^2$  ☒

C.  $0.20 \text{ m/sec}^2$

D.  $0.10 \text{ m/sec}^2$

**Q29** **CORRECT** What maximum height a stone will reach if it is thrown upwards with a velocity of  $20 \text{ m/sec}$  ( $g = 10 \text{ m/sec}^2$ )

A. 10 m

B. 20 m ☒

C. 30 m

D. 40 m

**Q30** **CORRECT** What is the work done in unit time?

A. Energy

B. Power ☒

C. Force

D. Acceleration

**Q31** **CORRECT** What is the potential energy in a body of mass 10 kg kept on the top of a pole 20 metres height?

A. 1942 Joules

B. 1952 Joules

C. 1962 Joules ☒

D. 1972 Joules

**Q32** **CORRECT** Convert 0.456 decimal fraction into percentage?

A. 0.456

B. 0.0456

C. 45.6 ☒

D. 0.000456

**Q33** **CORRECT** What is the x value for  $x^2 + 62 = 126$ ?

A. 4

B. 6

C. 8 ☒

D. 10

**Q34** **CORRECT** What is the length L2, if total length (L) is 2.75 metre and  $L1:L2 = 2:3$ ?

A. 1.1 metre

B. 1.25 metre

C. 1.65 metre ☒

D. 1.75 metre

Q35 **CORRECT** How many days a mechanic takes to assemble 64 machines if he assembles 8 machines in 3 days?

A. 20 days

B. 22 days

C. 24 days ☒

D. 26 days

Q36 **CORRECT** Simplify:  $(\frac{3}{4}) + (\frac{2}{5}) - (\frac{5}{20})$

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

B.  $(\frac{9}{10})$  ☒

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

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

Q37 **CORRECT** What is the length of each part if a copper wire of 225 metre long is cut into 900 equal parts?

A. 0.23 metre

B. 0.25 metre ☒

C. 0.28 metre

D. 0.29 metre

Q38 **CORRECT** What is the boiling point of water? | ನೀರಿನ ಕುದಿಯುವ ಬಿಂದು ಯಾವುದು?

A.  $0^{\circ}\text{C}$

B.  $32^{\circ}\text{C}$

C.  $100^{\circ}\text{C}$  ☒

D.  $212^{\circ}\text{C}$

Q39 **CORRECT** What is the ratio of power output to power input? | ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆಯ ವಿದ್ಯುತ್ ಇನ್ನುಟ್ಟು ಅನುಪಾತ ಎಷ್ಟು ?

A. Work

B. Energy

C. Efficiency □

D. Acceleration

Q40 **CORRECT** What is the value of  $\tan 45^\circ$  if  $\sin 45^\circ = 1/\sqrt{2}$ ? | Sin  $45^\circ = 1/\sqrt{2}$  ಆದರೆ  $\tan 45^\circ$  ಮೌಲ್ಯ ಎಷ್ಟು ?

(A)  $\frac{1}{\sqrt{2}}$

(B)  $\frac{\sqrt{3}}{2}$

(C) 1

(D)  $\frac{1}{\sqrt{3}}$

A. A

B. B

C. C □

D. D