

# GOVT ITI HOLENARASIPURA

## MOCK TEST -18

Q. ID: ITISKILL0655E4 | June 2026

100.00% 40 / 40

|              |           |                 |          |
|--------------|-----------|-----------------|----------|
| Student Name | AISHWARYA | Access Code     | 0339     |
| Attempt No.  | #1        | Completion Time | 01:29 PM |
| Rank         | #10       | Total Questions | 40       |

40 SCORE

40 MAX MARKS

40 CORRECT

0 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** **CORRECT** 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** **CORRECT** 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 is 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 ಇನ್ಪುಟ್ 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