GOVT ITI HOLENARASIPURA

MOCK TEST -18

Q. ID: ITISKILL0655E4 | June 2026

90.00% 36 / 40

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Attempt No.	#1	Completion Time	02:24 PM
Rank	#20	Total Questions	40

36 SCORE	**40** MAX MARKS	**36** CORRECT	**4** 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 INCORRECT 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?

R = 50 Ohms

220 Volts

I =_____Amps

A. 4.1 Amps

B. 4.2 Amps

C. 4.3 Amps

D. 4.4 Amps ☐

Q7 INCORRECT 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 INCORRECT What is the unit of intensity of magnetic field?

A. wb/m

B. m/wb

C. Hertz

D. Coloumb

Q11 INCORRECT 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 cm²

B. 1942.5 cm²

C. 1952.5 cm²

D. 1962.5 cm² ✓

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 cm²

B. 20.93 cm² ✓

C. 20.89 cm²

D. 20.98 cm²

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

A. 27 cm²

B. 37 cm²

C. 47 cm² □

D. 57 cm²

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 m/sec²

B. 0.30 m/sec²

C. 0.20 m/sec²

D. 0.10 m/sec²

Q29 CORRECT What maximum height a stone will reach if it is thrown upwords with a velocity of 20m/sec?(g = 10m/sec²)

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 x² + 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: (3/4)+(2/5)-(5/20)

A. (3/10)

B. (9/10)

C. (12/10)

D. (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°C

B. 32°C

C. 100°C

D. 212°C

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

A. Work

B. Energy

C. Efficiency □

D. Acceleration

Q40 CORRECT What is the value of tan 45° if sin 45° = 1/□ 2? | Sin 45° = 1/□ ಆಗಿದ್ದರೆ tan 45° 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