

GOVT. ITI, H.D. KOTE

ITI Quiz - 30-Jul-2026 04:20 PM

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Student Name	Ramesh	Access Code	5944
Attempt No.	#1	Completion Time	07:48 AM
Rank	#10	Total Questions	25

6 SCORE

25 MAX MARKS

6 CORRECT

19 INCORRECT

Answer Review

Q1 **INCORRECT** Which is mineral insulator

A. Glass

B. Quartz ☐

C. Mica ☒

D. Porcelain

Q2 **CORRECT** What is the voltage?

R = 250 Ohms

I = 0.44 Amps

V = ____ Volts

A. 100 Volts

B. 105 Volts

C. 108 Volts

D. 110 Volts ☒

Q3 **INCORRECT** What does EMF stands for?

A. Electronic Magnetic Force

B. Electro Motive Force ☒

C. Electro Magnetic Force ☐

D. Electromated Force

Q4 **INCORRECT** Which is the example for statically induced emf?

A. Generator ☐

B. Motor

C. Transformer ☒

D. Refrigerator

Q5 **INCORRECT** Which is the example for dynamically induced Emf?

A. Motor

B. Generator ☒

C. Car

D. Motor bike ☐

Q6 **CORRECT** What is the specific gravity of the solid, if density of the solid is 19.5 g/cm^3 ?

A. 8

B. 18.5

C. 19

D. 19.5 ☒

Q7 **INCORRECT** What is the mass in gram, if a force of 15 dyres acting on a mass m producing an acceleration of 2.5 cm/sec^2 ?

A. 9 grams ☐

B. 8 grams

C. 7 grams

D. 6 grams ☐

Q8 **INCORRECT** What is the weight force of a car has a mass of 800 kg?(Take $g = 9.81 \text{ m/sec}$)

A. 7848 Newton ☐

B. 7748 Newton

C. 7847 Newton

D. 7487 Newton ☐

Q9 **INCORRECT** 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% ☐

Q10 **INCORRECT** What is the cross sectional area of a circular ring of $D = 38 \text{ mm}$ $d = 32 \text{ mm}$?

A. 320 mm^2 ☐

B. 330 mm^2 ☐

C. 340 mm^2

D. 350 mm^2

Q11 **INCORRECT** Find the total surface area of cube whose side is 25 cm.

A. 3740 cm^2

B. 3745 cm^2

C. 3750 cm^2 ☐

D. 3755 cm^2 ☐

Q12 **CORRECT** What is the capacity of a conical tank of radius 2 m and height 5m?

A. 11 m^3

B. 21 m^3 ☐

C. 31 m^3

D. 41 m^3

Q13 **INCORRECT** What is the acceleration of a car if the speed of the car has increased from 25 km per hour to 40 km per hour in one minute?

A. 0.059 m/sec^2 ☐

B. 0.59 m/sec^2

C. 0.069 m/sec^2 ☐

D. 0.69 m/sec^2

Q14 **INCORRECT** What maximum height a stone will reach if it is thrown upwards with a velocity of 20 m/sec ? ($g = 10 \text{ m/sec}^2$)

A. 10 m ☐

B. 20 m ☐

C. 30 m

D. 40 m

Q15 **INCORRECT** What is called if a force of 1Newton acts on a body and moves it through a distance of 1 metre?

A. 1 Joule ☐

B. 10 Joules ☐

C. 1 dyne

D. 10 dynes

Q16 **INCORRECT** What is the formula for potential energy?

A. mgh joule ☐

B. mgh^2 joule

C. $\frac{1}{2} mgh$ joule ☐

D. $\frac{2}{3} mgh$ joule

Q17 **INCORRECT** What is the ratio of 4 kg to 800 grams?

A. 05:01 ☐

B. 04:08 ☐

C. 08:04

D. 02:04

Q18 **INCORRECT** What percentage of 80 is 20?

A. 0.8 ☐

B. 0.4

C. 0.25 ☐

D. 0.2

Q19 **INCORRECT** What is the square root of decimal number 550.37?

A. 21.26

B. 22.26 ☐

C. 22.46

D. 23.46 ☐

Q20 **INCORRECT** What denotes letter M in MKS system?

A. Mile

B. Meter ☐

C. Millimeter

D. Micron ☐

Q21 **INCORRECT** What is the improper fraction for the given mixed fraction ? $7 \times \frac{3}{7}$

A. $\frac{52}{7}$ ☐

B. $\frac{7}{52}$

C. $\frac{28}{7}$ ☐

D. $\frac{7}{28}$

Q22 **CORRECT** Divide $\frac{20}{31} \div \frac{15}{62}$

A. $2\frac{4}{3}$

B. $2\frac{1}{3}$

C. $2\frac{3}{2}$

D. $2\frac{2}{3}$ ☐

Q23 **INCORRECT** Simplify: $(17.49 \times 5.2) / (6.5)$

A. 13.69 ☐

B. 13.79 ☐

C. 13.89 ☐

D. 13.99 ☒

Q24 **CORRECT** What is the square root of 529? | 529 ರ ವರ್ಗಮೂಲ ಯಾವುದು?

A. 13 ☐

B. 23 ☒

C. 33 ☐

D. 43 ☐

Q25 **CORRECT** What is called mass per unit volume of a substances? | ವಸ್ತುವಿನ ಪ್ರತಿ ಯೂನಿಟ್ ಪರಿಮಾಣದ ದ್ರವ್ಯರಾಶಿಗೆ ಏನು ಎಂದು ಕರೆಯಲಾಗುತ್ತದೆ?

A. Mass | ದ್ರವ್ಯರಾಶಿ ☐

B. Weight | ತೂಕ ☐

C. Density | ಸಾಂದ್ರತೆ ☒

D. Volume | ಗಾತ್ರ ☐