

GOVT.ITI,H.D. KOTE

ITI Quiz - 14-Jul-2026 10:35 AM

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Student Name	ABHISHEK	Access Code	5471
Attempt No.	#1	Completion Time	12:12 PM
Rank	#1	Total Questions	25

14 SCORE

25 MAX MARKS

14 CORRECT

11 INCORRECT

Answer Review

Q1 **CORRECT** Which is very good conductor?

A. Copper ☒

B. Cast iron ☐

C. Wrought iron ☐

D. Steel ☐

Q2 **CORRECT** What is the resistance?

I = 11.5 Amps

V = 380 Volts

R = ____ Ohms

A. 13 ohms ☐

B. 23 ohms ☐

C. 33 ohms ☒

D. 43 ohms ☐

Q3 **CORRECT** What is the voltage?

$R = 250 \text{ Ohms}$

$I = 0.44 \text{ Amps}$

$V = \text{ ______ } \text{ Volts}$

A. 100 Volts

B. 105 Volts

C. 108 Volts

D. 110 Volts ☒

Q4 **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

Q5 **CORRECT** Which law states about electromagnetic induction?

A. Ohm's law

B. Hooke's law

C. Lenz's law

D. Faraday's law ☒

Q6 **CORRECT** What is the formula for induced emf?

A. $B^2 L \sin \theta$ volts

B. $BL \sin \theta$ volts

C. $BLV \sin \theta$ ☒

D. $B^2 L^2 V \sin \theta$ volts

Q7 **CORRECT** How many hours will take for a 100 watts bulb to consume 1 kwh energy?

W = 1 Kwh

P = 100 Watts

t = ____Hours

A. 10 hours ☒

B. 12 hours

C. 18 hours

D. 24 hours

Q8 **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 ☒

Q9 **INCORRECT** Which metal contains iron as a major content?

A. Brass metal ☐

B. Bronze metal

C. Zinc

D. Ferrous metal ☒

Q10 **INCORRECT** Which steel is used for making files and cold chisel?

A. Low carbon steel

B. Midium carbon steel

C. High carbon steel ☒

D. Stainless steel ☐

Q11 **INCORRECT** What is the area of a square whose side is 18 cm?

A. 26 cm^2

B. 36 cm^2

C. 72 cm^2 ☐

D. 324 cm^2 ☒

Q12 **INCORRECT** What is the perimeter of a rectangle whose length and breadth are 20 cm and 18 cm?

A. 56 cm ☐

B. 66 cm

C. 76 cm ☒

D. 86 mm

Q13 **INCORRECT** Find the total surface area of a cast iron bar whose length, width and height are 20m, 15m and 12m.

A. 1340 m^2 ☐

B. 1440 m^2 ☒

C. 1540 m^2

D. 1640 m^2

Q14 **INCORRECT** What is the volume of a rectangular tank of 30 m length, 20m width and 10m height?

A. 5900 m^3 ☐

B. 6000 m^3 ☒

C. 6100 m^3

D. 6200 m^3

Q15 **INCORRECT** What is called if a body posses only magnitude or size alone?

A. Speed

B. Velocity

C. Vector quantity ☐

D. Scalar quantity ☒

Q16 **INCORRECT** What is the unit of acceleration of an object?

A. Metre/second

B. Metre/second² ☒

C. Metre/minutes

D. Metre/minutes² ☐

Q17 **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

Q18 **CORRECT** What is the formula for potential energy?

A. mgh joule ☒

B. mgh² joule

C. 1/2 mgh joule

D. 2/3 mgh joule

Q19 **INCORRECT** 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 ☐

Q20 **CORRECT** What are fundamental units?

A. Length, Mass, Volume

B. Length, Mass, Time ☐

C. Length, Mass, Area

D. Length, Pressure, Volume

Q21 **CORRECT** Convert decimal 0.000659 to fraction?

A. (659/1000)

B. (659/10000)

C. (659/100000)

D. (659/1000000) ☐

Q22 **INCORRECT** 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 ☐

Q23 **INCORRECT** What is the square root of 529? | 529 ರ ವರ್ಗಮೂಲ ಯಾವುದು?

A. 13

B. 23 ☒

C. 33 ☐

D. 43

Q24 **CORRECT** Which is equal to $\sin \theta$? | ಯಾವುದು $\sin \theta$ ಗೆ ಸಮಾನ?

- (A) $\frac{\text{Opposite side}}{\text{Hypotenuse}}$
- (B) $\frac{\text{Hypotenuse}}{\text{Opposite side}}$
- (C) $\frac{\text{Adjacent side}}{\text{Hypotenuse}}$
- (D) $\frac{\text{Hypotenuse}}{\text{Adjacent side}}$

A. A ☒

B. B

C. C

D. D

Q25 **CORRECT** What is the value of $\tan 45^\circ$ if $\sin 45^\circ = 1/\sqrt{2}$? | Sin $45^\circ = 1/\sqrt{2}$ ಆದರೆ $\tan 45^\circ$ ಮೌಲ್ಯವೆಷ್ಟು?

- (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