

GOVT.ITI,H.D. KOTE

ITI Quiz - 23-Jul-2026 10:40 AM

Q. ID: ITISKILL8326OP | July 2026

84.00% 21 / 25

Student Name	ABHISHEK	Access Code	2192
Attempt No.	#1	Completion Time	09:51 PM
Rank	#4	Total Questions	25

21 SCORE

25 MAX MARKS

21 CORRECT

4 INCORRECT

Answer Review

Q1 **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

Q2 **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 ☒

Q3 **INCORRECT** Which is equal to electric power?

A. $R^{>2}</sup>I \text{ watts}$

B. $I^{>2}</sup>R \text{ watts}$ ☒

C. RI

D. IRA ☐

Q4 **CORRECT** Which law states about electromagnetic induction?

A. Ohm's law

B. Hooke's law

C. Lenz's law

D. Faraday's law ☒

Q5 **CORRECT** What is the formula for induced emf?

A. $B^{>2}</sup>L \sin \theta \text{ volts}$

B. $BL \sin \theta \text{ volts}$

C. $BLV \sin \theta \text{ volts}$ ☒

D. $B^{>2}</sup>V \sin \theta \text{ volts}$

Q6 **CORRECT** How much voltage will be required to illuminate a 40 watts fluorescent lamp draws a current of 0.10 amperes?

A. 390 volts

B. 395 volts

C. 400 volts ☒

D. 405 volts

Q7 **CORRECT** What is called the ratio between the density of a substances density of water at 4 Degree Centigrade?

A. Density

B. Specific gravity ☒

C. Mass

D. Weight

Q8 **CORRECT** Wha is the mass if the density of a body is 7.6 g/cm^3 and its volume is 25 cm^3 ?

A. 190 grams ☒

B. 200 grams

C. 210 grams

D. 220 grams

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 **CORRECT** What is the area of an equilateral triangle of side 450 mm?

A. 856.82 cm^2

B. 866.82 cm^2

C. 876.82 cm^2 ☒

D. 886.82 cm^2

Q11 **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 ☐

Q12 **CORRECT** 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

Q13 **CORRECT** What is called if a body posses only magnitude or size alone?

A. Speed

B. Velocity

C. Vector quantity

D. Scalar quantity ☒

Q14 **CORRECT** What is the formula for acceleration?

A. Metre/second

B. Metre/second² ☒

C. Metre/minute

D. Metre/hour

Q15 **CORRECT** 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 **CORRECT** How many newtons for 1 kilogram?

A. 981 Newtons

B. 98.1 Newtons

C. 9.81 Newtons ☒

D. 0.981 Newtons

Q17 **CORRECT** How many watts for 1 horse power in British system?

A. 726 watts

B. 736 watts

C. 746 watts ☒

D. 756 watts

Q18 **INCORRECT** What is the formula for kinetic energy?

A. $(1/2) mv$ joule

B. $(1/2) mv^2$ joule ☒

C. $(2/3) mv^2$ joule

D. $(2/3) mv$ joule ☐

Q19 **CORRECT** What is the work done, if a force of 250 newtons acted upon a body and the body has been moved through a distance of 15 metres?

A. 3720 Joules

B. 3730 Joules

C. 3740 Joules

D. 3750 Joules ☒

Q20 **CORRECT** What is the kinetic energy of a bullet of mass 5gm travels with a speed of 500 m/sec?

A. 620 Joules

B. 625 Joules ☒

C. 630 Joules

D. 635 Joules

Q21 **CORRECT** What is the ratio of 4 kg to 800 grams?

A. 05:01 ☒

B. 04:08

C. 08:04

D. 02:04

Q22 CORRECT A motor cycle tyre is sold for Rs 300/- what is the purchase price if 25% profit is added to it.

A. Rs 200

B. Rs 220

C. Rs 240 ☒

D. Rs 260

Q23 CORRECT What is the square root of 529?

A. 12

B. 23 ☒

C. 33

D. 43

Q24 CORRECT Convert 0.456 decimal fraction into percentage? | 0.456 ದಶಮಾಂಶ ಭಾಗವನ್ನು ಶೇಕಡಾವಾರು ಆಗಿ ಪರಿವರ್ತಿಸಿ?

A. 45.6% ☒

B. 0.0456

C. 0.456%

D. 0.0456%

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

