Trinity iti Udupi

ITI Quiz - 02-Mar-2026 02:11 PM

Q. ID: ITISKILL6983HL | March 2026

77.55% 38 / 49

Student Name	Sujan	Access Code	0511
Attempt No.	#1	Completion Time	03:05 PM
Rank	#6	Total Questions	49

38 SCORE	**49** MAX MARKS	**38** CORRECT	**11** INCORRECT

Answer Review

Q1 **CORRECT** Which machine converts mechanical energy into electrical energy?

A. Battery

B. Generator

C. Heater

D. Iron box

Q2 **INCORRECT** What is the flow of electrons in any conductor?

A. Voltage

B. Current

C. Resistance

D. Power

Q3 **CORRECT** Which property of a substance is opposing the flow of electric current?

A. Current

B. Voltage

C. Resistance ☑

D. EMF

Q4 **CORRECT** Which is very good conductor?

A. Copper ☑

B. Cast iron

C. Wrought iron

D. Steel

Q5 **INCORRECT** Which is same in series connection of resistors in a circuit?

A. Current ☑

B. Voltage ☑

C. Resistance

D. Power

Q6 **CORRECT** Which law states that at constant termperature the current passing through a closed circuit is directly proportional to the potential difference and inversely proportional to the resistance?

A. Ohm's law ☑

B. Lenz's law

C. Newton's law

D. Hooke's law

Q7 **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

Q8 **INCORRECT** Which statement is correct according to ohm's law?

A. I = 1/V ⬜

B. I = R

C. I = V/R ⬜

D. I = R/V

Q9 **CORRECT** What is the filament resistance if a 6 volt bulb draws a current of 0.5 Amps?

A. 12 W ⬜

B. 10 W

C. 3 W

D. 1.2 W

Q10 **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

Q11 **CORRECT** What is the power if an emf of one volt causes a current flow of 1ampere?

A. 1 watt ☑

B. 1 kilowatt

C. 1 HP

D. 1 Kilowatt hour

Q12 **CORRECT** Which is equal to electric power?

A. $R^2 I$ watts

B. $I^2 R$ watts ☑

C. RI

D. IRA

Q13 **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

Q14 **CORRECT** What is the unit of intensity of magnetic field?

A. wb/m ☑

B. m/wb

C. Hertz

D. Coloumb

Q15 `CORRECT` Which law states about electromagnetic induction?

A. Ohm's law

B. Hooke's law

C. Lenz's law

D. Faraday's law ☑

Q16 `CORRECT` What does EMF stands for?

A. Electronic Magnetic Force

B. Electro Motive Force ☑

C. Electro Magnetic Force

D. Electromated Force

Q17 `CORRECT` Which is the example for statically induced emf?

A. Generator

B. Motor

C. Transformer ☑

D. Refrigerator

Q18 `CORRECT` Which is the example for dynamicallly induced Emf?

A. Motor

B. Generator ☑

C. Car

D. Motor bike

Q19 **CORRECT** Which is the unit electrical power?

A. Volts

B. Ohms

C. Watts ☐

D. Ampere

Q20 **CORRECT** What is the current Flow in the bulb?

P = 550 watts

R = 22 Ohms

I = _____Amps

A. 2 Amps

B. 3 Amps

C. 4 Amps

D. 5 Amps ☐

Q21 **CORRECT** What is the square root of 0.017?

A. 0.001

B. 0.13 ☐

C. 0.00001

D. 0.000001

Q22 **CORRECT** What is the definition of ratio?

A. Relation of two quantities of the same kind ☐

B. Relation of two quantities of the different kind

C. Equality between two ratios

D. Inequality between two ratios

Q23 **CORRECT** What is the ratio of 4 kg to 800 grams?

A. 05:01 ☐

B. 04:08

C. 08:04

D. 02:04

Q24 **CORRECT** What percentage of 80 is 20?

A. 0.8

B. 0.4

C. 0.25 ☐

D. 0.2

Q25 **CORRECT** How much is 8% of 40 kg?

A. 2.2 kg

B. 3.2 kg ☐

C. 4.2 kg

D. 5.2 kg

Q26 **CORRECT** Convert 52% into fraction?

A. (9/25)

B. (11/25)

C. (13/25) ☐

D. (17/25)

Q27 **CORRECT** Convert 0.456 decimal fraction into percentage?

A. 0.456

B. 0.0456

C. 45.6 ☐

D. 0.000456

Q28 **INCORRECT** What is the x value for x^2 + 62 = 126?

A. 4 ☐

B. 6

C. 8 ☐

D. 10

Q29 **CORRECT** What is the square root of decimal number 550.37?

A. 21.26

B. 22.26

C. 22.46

D. 23.46 ☐

Q30 **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

Q31 **INCORRECT** 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

Q32 **INCORRECT** What will be the rpm of smaller gear if a 180 mm dia meshes with 60 mm dia gear and the bigger gear makes 60 rpm?

A. 120 rpm

B. 140 rpm ☐

C. 160 rpm

D. 180 rpm ☐

Q33 **CORRECT** What is the percentage of copper if the casting weight of copper 42.3 kg and tin weight 2.7 kg?

A. Cu 92%

B. Cu 94% ☐

C. Cu 96%

D. Cu 98%

Q34 **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

Q35 INCORRECT What is the decimal fraction of conversion of 18.5%?

A. 0.185 ☐

B. 0.175

C. 0.165

D. 0.195 ☐

Q36 CORRECT What are the two classifications of system of units?

A. British and Metric

B. Gravitational and non-gravitational

C. Fundamental and derived ☐

D. Metric and International

Q37 CORRECT What are fundamental units?

A. Length, Mass, Volume

B. Length, Mass, Time ☐

C. Length, Mass, Area

D. Length, Pressure, Volume

Q38 INCORRECT What denotes letter M in MKS system?

A. Mile

B. Meter ☐

C. Millimeter ☐

D. Micron

Q39 **CORRECT** How many millimetres are there in 1 inch?

A. 2.54 mm

B. 25.4 mm ☐

C. 24.5 mm

D. 2.45 mm

Q40 **CORRECT** What is the LCM of 12, 18, 6, 36?

A. 12

B. 18

C. 36 ☐

D. 42

Q41 **CORRECT** What is the HCF of 18, 42, 24?

A. 2

B. 6 ☐

C. 18

D. 24

Q42 **CORRECT** What is the improper fraction for the given mixed fraction ? 7 x (3/7)

A. (52/7) ☐

B. "7/52"

C. "28/7"

D. "7/28"

Q43 **INCORRECT** Convert decimal 0.000659 to fraction?

A. (659/1000) ☐

B. (659/10000)

C. (659/100000)

D. (659/1000000) ☐

Q44 **INCORRECT** Simplify: (3/4)+(2/5)-(5/20)

A. (3/10)

B. (9/10) ☐

C. (12/10)

D. (13/10) ☐

Q45 **CORRECT** Divide (20/31)/(15/62)

A. 2(4/3)

B. 2(1/3)

C. 2(3/2)

D. 2(2/3) ☐

Q46 **CORRECT** What is the product of 0.003 x 0.5?

A. 0.00015

B. 0.0015 ☐

C. 0.015

D. 0.15

Q47 **CORRECT** Simplify: (17.49x5.2)/(6.5)

A. 13.69

B. 13.79

C. 13.89

D. 13.99 ☐

Q48 **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

Q49 **CORRECT** What is the square root of 529?

A. 12

B. 23 ☐

C. 33

D. 43