

Trinity iti Udupi

ITI Quiz - 02-Mar-2026 02:08 PM

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79.59% 39 / 49

Student Name	Eranna	Access Code	4369
Attempt No.	#1	Completion Time	02:34 PM
Rank	#7	Total Questions	49

39 SCORE

49 MAX MARKS

39 CORRECT

10 INCORRECT

Answer Review

Q1 **CORRECT** Which is the unit of current?

A. Ampere ☐

B. Volt ☐

C. Ohm ☐

D. Watt ☐

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

A. Voltage ☐

B. Current ☒

C. Resistance ☐

D. Power ☐

Q3 **INCORRECT** 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 mineral insulator

A. Glass ☐

B. Quartz

C. Mica ☒

D. Porcelain

Q6 **CORRECT** What is the total resistance if three resistances of 3 ohms, 9 ohms and 5 ohms are connected in series?

A. 11 ohms

B. 7 ohm

C. 17 ohms ☒

D. 1/17 ohms

Q7 **CORRECT** Which is same in series connection of resistors in a circuit?

A. Current ☒

B. Voltage

C. Resistance

D. Power

Q8 **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 ☒

Q9 **CORRECT** Which statement is correct according to ohm's law?

A. $I = 1/V$

B. $I = R$

C. $I = V/R$ ☒

D. $I = R/V$

Q10 **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

Q11 **CORRECT** How much watt second in 1 watt hour?

- A. 1000 watt sec
- B. 2000 watt sec
- C. 3600 watt sec ☒
- D. 4000 watt sec

Q12 **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

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 voltage of the immersion heater?

$P = 500$ watts

$I = 2.27$ Amps

$V = \text{_____}$ Volts

- A. 200.3 volts
- B. 210.3 volts
- C. 220.3 volts ☒
- D. 230.3 volts

Q15 **INCORRECT** What is the unit of intensity of magnetic field?

A. wb/m ☐

B. m/wb

C. Hertz ☐

D. Coloumb

Q16 **CORRECT** Which law states about electromagnetic induction?

A. Ohm's law

B. Hooke's law

C. Lenz's law

D. Faraday's law ☐

Q17 **INCORRECT** What is the formual for induced emf?

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

B. $BL \sin \theta$ volts

C. $BLV \sin \theta$ volts ☐

D. $B^2 V \sin \theta$ volts ☐

Q18 **CORRECT** Which is the example for statically induced emf?

A. Generator

B. Motor

C. Transformer ☐

D. Refrigerator

Q19 **CORRECT** What is the rated power if an adjustable resistor bears the following label 1.5 k ohms/ 0.08A?

A. 9.2 watts

B. 9.4 watts

C. 9.6 watts ☒

D. 9.8 watts

Q20 **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

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

A. 0.001

B. 0.13 ☒

C. 0.00001

D. 0.000001

Q22 **INCORRECT** 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 **INCORRECT** Convert 0.456 decimal fraction into percentage?

A. 0.456 ☐

B. 0.0456 ☐

C. 45.6 ☒

D. 0.000456 ☐

Q28 **CORRECT** 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 **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

Q32 **CORRECT** 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 **CORRECT** What is the decimal fraction of conversion of 18.5%?

A. 0.185 ☒

B. 0.175

C. 0.165

D. 0.195

Q36 **INCORRECT** 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 ? $7 \frac{3}{7}$

A. $\frac{52}{7}$ ☒

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

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

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

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

A. $(659/1000)$

B. $(659/10000)$ ☐

C. $(659/100000)$

D. $(659/1000000)$ ☐

Q44 **CORRECT** 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 0.003×0.5 ?

A. 0.00015

B. 0.0015 ☐

C. 0.015

D. 0.15

Q47 **CORRECT** Simplify: $(17.49 \times 5.2) / (6.5)$

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