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ITI Quiz - 02-Mar-2026 02:23 PM

Q. ID: ITISKILL0635AC | March 2026

40.82% 20 / 49

Student Name	Shristi	Access Code	2779
Attempt No.	#1	Completion Time	03:11 PM
Rank	#5	Total Questions	49

20 SCORE	**49** MAX MARKS	**20** CORRECT	**29** INCORRECT

Answer Review

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

A. Ampere

B. Volt

C. Ohm ☐

D. Watt

Q2 **CORRECT** Which is very good conductor?

A. Copper ☐

B. Cast iron

C. Wrought iron

D. Steel

Q3 `INCORRECT` Which is mineral insulator

A. Glass ☐

B. Quartz

C. Mica ☐

D. Porcelain

Q4 `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

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 **CORRECT** What is the current?

R = 50 Ohms

220 Volts

I =_____Amps

A. 4.1 Amps

B. 4.2 Amps

C. 4.3 Amps

D. 4.4 Amps ✓

Q9 **INCORRECT** 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** 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 **INCORRECT** 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 **INCORRECT** What is the voltage of the immersion heater?

P = 500 watts

I = 2.27 Amps

V = _____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 **INCORRECT** Which law states about electromagnetic induction?

A. Ohm's law ✗

B. Hooke's law

C. Lenz's law

D. Faraday's law ✓

Q17 **INCORRECT** Which is the example for dynamicallly induced Emf?

A. Motor ✗

B. Generator ✓

C. Car

D. Motor bike

Q18 **INCORRECT** Which is the unit electrical power?

A. Volts

B. Ohms

C. Watts ☐

D. Ampere ☐

Q19 **INCORRECT** 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 ☐

Q20 **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

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

A. 05:01 ☐

B. 04:08 ☐

C. 08:04

D. 02:04

Q24 **INCORRECT** 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 INCORRECT What is the x value for x^2 + 62 = 126?

A. 4

B. 6

C. 8 ☑

D. 10 ☒

Q29 INCORRECT What is the square root of decimal number 550.37?

A. 21.26

B. 22.26 ☒

C. 22.46

D. 23.46 ☑

Q30 **INCORRECT** 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 **INCORRECT** 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 CORRECT 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 INCORRECT What is the LCM of 12, 18, 6, 36?

A. 12 ☒

B. 18

C. 36 ☑

D. 42

Q41 INCORRECT What is the HCF of 18, 42, 24?

A. 2

B. 6 ☑

C. 18

D. 24 ☒

Q42 **INCORRECT** 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 **INCORRECT** Divide (20/31)/(15/62)

A. 2(4/3)

B. 2(1/3)

C. 2(3/2) ☐

D. 2(2/3) ☐

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

A. 0.00015

B. 0.0015 ☐

C. 0.015

D. 0.15 ☐

Q47 **INCORRECT** 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