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ITI Quiz - 30-Mar-2026 09:17 AM

Q. ID: ITISKILL31078T | March 2026

93.33% 28 / 30

Student Name	PRITAM NAIK	Access Code	5126
Attempt No.	#2	Completion Time	11:22 AM
Rank	#3	Total Questions	30

28 SCORE	**30** MAX MARKS	**28** CORRECT	**2** INCORRECT

Answer Review

Q1 CORRECT Which machine converts mechanical energy into electrical energy?

A. Battery

B. Generator ✓

C. Heater

D. Iron box

Q2 CORRECT Which is the unit of current?

A. Ampere ✓

B. Volt

C. Ohm

D. Watt

Q3 CORRECT Which is the unit of resistance?

A. Ampere

B. Volt

C. Ohm □

D. Watt

Q4 CORRECT What is the flow of electrons in any conductor?

A. Voltage

B. Current □

C. Resistance

D. Power

Q5 CORRECT Which property of a substance is opposing the flow of electric current?

A. Current

B. Voltage

C. Resistance □

D. EMF

Q6 CORRECT Which is very good conductor?

A. Copper □

B. Cast iron

C. Wrought iron

D. Steel

Q7 CORRECT Which is mineral insulator

A. Glass

B. Quartz

C. Mica ✓

D. Porcelain

Q8 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

Q9 CORRECT What is the total resistance if two resistances of 4 ohms and 6 ohms are connected in parallel?

A. 10

B. 2.4 ✓

C. 5

D. 4

Q10 CORRECT Which is same in series connection of resistors in a circuit?

A. Current ✓

B. Voltage

C. Resistance

D. Power

Q11 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

Q12 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

Q13 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 ☐

Q14 CORRECT What is the voltage?

R = 250 Ohms

I = 0.44 Amps

V = ____Volts

A. 100 Volts

B. 105 Volts

C. 108 Volts

D. 110 Volts

Q15 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

Q16 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

Q17 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

Q18 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

Q19 CORRECT Which is equal to electric power?

A. R²I watts

B. I²R watts ☐

C. RI

D. IRA

Q20 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

Q21 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

Q22 CORRECT 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

Q23 INCORRECT What is the unit of intensity of magnetic field?

A. wb/m

B. m/wb

C. Hertz

D. Coloumb

Q24 CORRECT Which law states about electromagnetic induction?

A. Ohm's law

B. Hooke's law

C. Lenz's law

D. Faraday's law

Q25 CORRECT What is the formual for induced emf?

A. B²L sinq volts

B. BL sinq volts

C. BLV sinq volts

D. B²V sinq volts

Q26 CORRECT What does EMF stands for?

A. Electronic Magnetic Force

B. Electro Motive Force

C. Electro Magnetic Force

D. Electromated Force

Q27 INCORRECT Which is the example for statically induced emf?

A. Generator

B. Motor

C. Transformer

D. Refrigerator

Q28 CORRECT Which is the example for dynamicallly induced Emf?

A. Motor

B. Generator

C. Car

D. Motor bike

Q29 CORRECT Which is the unit electrical power?

A. Volts

B. Ohms

C. Watts

D. Ampere

Q30 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