ITI Quiz - 10-Apr-2026 11:47 AM

Q. ID: ITISKILL3379EU

April 2026 | **GOVT ITI** | Answer Key

Duration: 30 Mins | **Total Marks: 25** | **Q.ID: ITISKILL3379EU**

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

A) 5 B) 4
C) 2.4 D) 10

Answer: C) 2.4

2. Which law states about electromagnetic induction?

A) Ohm's law B) Lenz's law
C) Hooke's law D) Faraday's law

Answer: D) Faraday's law

3. What is the power if an emf of one volt causes a current flow of 1ampere?

A) 1 HP B) 1 kilowatt
C) 1 watt D) 1 Kilowatt hour

Answer: C) 1 watt

4. How many hours will take for a 100 watts bulb to consume 1 kwh energy?
 W = 1 Kwh
 P = 100 Watts
 t = _____Hours

A) 12 hours B) 24 hours
C) 10 hours D) 18 hours

Answer: C) 10 hours

5. Which statement is correct according to ohm's law?

A) I = R/V B) I = V/R
C) I = 1/V D) I = R

Answer: B) I = V/R

6. What is the current?
 R = 50 Ohms
 220 Volts
 I =_____Amps

A) 4.1 Amps B) 4.4 Amps
C) 4.2 Amps D) 4.3 Amps

Answer: B) 4.4 Amps

7. Which is the example for statically induced emf?

A) Refrigerator B) Motor
C) Transformer D) Generator

Answer: C) Transformer

8. How much voltage will be required to illuminate a 40 watts fluorescent lamp draws a current of 0.10 amperes?

A) 390 volts B) 405 volts
C) 395 volts D) 400 volts

Answer: D) 400 volts

9. What is the voltage?
 R = 250 Ohms
 I = 0.44 Amps
 V = _____Volts

A) 108 Volts B) 110 Volts
C) 105 Volts D) 100 Volts

Answer: B) 110 Volts

10. 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) Lenz's law B) Hooke's law
C) Newton's law D) Ohm's law

Answer: D) Ohm's law

11. Which is equal to electric power?

A) I²R watts B) IRA
C) R²I watts D) RI

Answer: A) I²R watts

12. Which is the unit of current?

A) Ampere B) Volt
C) Ohm D) Watt

Answer: A) Ampere

13. Which is mineral insulator

A) Porcelain B) Glass
C) Mica D) Quartz

Answer: C) Mica

14. What does EMF stands for?

A) Electronic Magnetic Force B) Electro Motive Force
C) Electromated Force D) Electro Magnetic Force

Answer: B) Electro Motive Force

15. What is the filament resistance if a 6 volt bulb draws a current of 0.5 Amps?

A) 10 W B) 1.2 W
C) 12 W D) 3 W

Answer: C) 12 W

16. What is the current Flow in the bulb?
 P = 550 watts

 R = 22 Ohms
 I = _____Amps

A) 4 Amps
B) 2 Amps
C) 3 Amps
D) 5 Amps

Answer: D) 5 Amps

17. What is the flow of electrons in any conductor?

A) Current
B) Resistance
C) Power
D) Voltage

Answer: A) Current

18. What is the formual for induced emf?

A) B²L sinq volts
B) BL sinq volts
C) BLV sinq volts
D) B²V sinq volts

Answer: C) BLV sinq volts

19. Which is the example for dynamicallly induced Emf?

A) Generator
B) Car
C) Motor
D) Motor bike

Answer: A) Generator

20. 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) 96.8 ohms
C) 97.8 ohms
D) 95.8 ohms

Answer: B) 96.8 ohms

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

A) 1/17 ohms
B) 7 ohm
C) 17 ohms
D) 11 ohms

Answer: C) 17 ohms

22. Which is the unit electrical power?

A) Ampere
B) Watts
C) Ohms
D) Volts

Answer: B) Watts

23. What is the rated power if an adjustable resistor bears the following label 1.5 k ohms/ 0.08A?

A) 9.2 watts
B) 9.8 watts
C) 9.4 watts
D) 9.6 watts

Answer: D) 9.6 watts

24. What is the unit of intensity of magnetic field?

A) Coloumb
B) Hertz
C) wb/m
D) m/wb

Answer: C) wb/m

25. What is the power required?
 I = 0.455 Amps
 R = 484 Ohms
 P = _____Watts

A) 99.2 watts
B) 98.2 watts
C) 101.2 watts
D) 100.2 watts

Answer: D) 100.2 watts