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

Q. ID: ITISKILL3379EU

April 2026 | **GOVT ITI** | Question Paper

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

Student Name: _____ Roll No: _____

1. Which is the example for statically induced emf?

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

2. What is the current Flow in the bulb?
 P = 550 watts
 R = 22 Ohms
 I = _____Amps

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

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

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

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

5. Which is the unit of current?

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

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

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

7. 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

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

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

9. What does EMF stands for?

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

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

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

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

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

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

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

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

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

14. Which is mineral insulator

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

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

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

16. Which law states about electromagnetic induction?

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

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

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

18. Which is equal to electric power?

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

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

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

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

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

21. What is the resistance of an electric iron if the rating of electric iron is 220 V and 500 watts?

A) 95.8 ohms
B) 96.8 ohms
C) 94.8 ohms
D) 97.8 ohms

22. Which is the example for dynamicallly induced Emf?

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

23. What is the formual for induced emf?

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

24. Which is the unit electrical power?

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

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

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