

May 2026

Question Paper

Duration: 30 Mins

Total Marks: 10

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Student Name: _____

Roll No: _____

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

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

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

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

3. What is the area of a square whose side is 18 cm?

- A) 72 cm^2
B) 36 cm^2
C) 26 cm^2
D) 324 cm^2

4. Which is very good conductor?

- A) Cast iron
B) Steel
C) Copper
D) Wrought iron

5. Which is the unit electrical power?

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

6. What does EMF stands for?

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

7. What is the current? $R = 50 \text{ Ohms}$ 220 Volts
 $I = \text{_____Amps}$

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

8. Which machine converts mechanical energy into electrical energy?

- A) Heater
B) Generator
C) Iron box
D) Battery

9. What is the process of heat treatment?

- A) The process of cooling to measure the dimensions
B) The process of heating to change the dimensions
C) The process of heating and cooling to change the structure and properties
D) The process of heating and bending as per our requirement

10. Which law states about electromagnetic induction?

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