

May 2026

Answer Key

Duration: 30 Mins

Total Marks: 10

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1. What does EMF stands for?

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

Answer: D) Electro Motive Force

2. What is the current?
 R = 50 Ohms
 220 Volts

 I = ____Amps

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

Answer: C) 4.4 Amps

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

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

Answer: C) $I = V/R$

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

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

Answer: A) 324 cm^2

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

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

Answer: A) Current

6. Which law states about electromagnetic induction?

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

Answer: C) Faraday's law

7. Which is very good conductor?

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

Answer: D) Copper

8. What is the process of heat treatment?

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

Answer: B) The process of heating and cooling to change the structure and properties

9. Which is the unit electrical power?

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

Answer: A) Watts

10. Which machine converts mechanical energy into electrical energy?

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

Answer: C) Generator