

CHAPTER-4 | Magnetic Effect of Electric Current

QUIZ
PART-03

1. Nichrome wire becomes warm because of:

- A. Magnetism
- B. Resistance
- C. Light
- D. Water (B)

Explanation : Resistance converts electrical energy to heat.

2. Heating effect means:

- A. Magnetic field
- B. Wire gets hot
- C. Sound produced
- D. Light emitted (B)

Explanation : Current makes conductor hot.

3. More current produces:

- A. Less heat
- B. Same heat
- C. More heat
- D. No heat (C)

Explanation : Heat depends on current magnitude.

4. Nichrome has:

- A. Low resistance
- B. High resistance
- C. No resistance
- D. No current (B)

Explanation : High resistance produces heat.

5. Electric iron works on:

- A. Magnetic effect
- B. Heating effect
- C. Chemical effect
- D. Light effect (B)

Explanation : Heating element produces heat.

6. Overheating may damage:

- A. Plugs
- B. Sockets
- C. Wires
- D. All (D)

Explanation : Excess heat damages circuits.

7. Heating effect is used in:

- A. Heaters
- B. Stoves
- C. Kettles
- D. All (D)

Explanation : All use heating element.

8. Doubling cells makes wire:

- A. Cooler
- B. Same
- C. Hotter
- D. Weak (C)

Explanation : More current = more heat.

9. Heat produced depends on:

- A. Length
- B. Thickness
- C. Material
- D. All (D)

Explanation : All factors affect heating.

10. Energy lost in transmission due to:

- A. Magnetism
- B. Resistance
- C. Light
- D. Pressure (B)

Explanation : Resistance causes heat loss.