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Score: 8/10 (80.00%)

Code: 0725

1. Which machine converts mechanical energy into electrical energy?

- A) Battery
B) **Generator (Correct)**
C) Heater
D) Iron box

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

- A) Voltage
B) **Current (Correct)**
C) Resistance
D) Power

3. Which is very good conductor?

- A) **Copper**
B) Cast iron
C) Wrought iron (Incorrect)
D) Steel

4. What is the current?

R = 50 Ohms

220 Volts

I = ____ Amps

- A) 4.1 Amps
B) 4.2 Amps
C) 4.3 Amps
D) **4.4 Amps (Correct)**

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

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

6. Which law states about electromagnetic induction?

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

7. What does EMF stands for?

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

8. Which is the unit electrical power?

- A) Volts
B) Ohms
C) **Watts (Correct)**
D) Ampere

9. What is the process of heat treatment?

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

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

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