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Electromagnetic Induction MCQ Test

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Q1. Which of the following is the consequence of motor effect?

- A. Voltage
- B. Current
- C. EMF
- **D. Electromagnetic induction**

Q2. Electromotive force is actually a

- A. Flux
- B. Current
- C. Force
- **D. Voltage**

Q3. Which of the following is the unit of MMF?

- **A. A**
- B. A-m
- C. A/m
- D. None of the above

Q4. What does MMF stands for?

- A. Magnetic Motion Force

- **B. Magnetomotive Force**
- C. Magnetomotion Force
- D. None of the above

Q5. Can we apply Kirchoff's law to magnetic circuits?

- **A. Yes**
- B. No

Q6. What is the full form of EMF?

- A. Electromated force
- B. Electromagnetic force
- **C. Electromotive force**
- D. Electronic magnetic force

Q7. What is the relation between the direction of induced emf and the direction of motion of the conductor?

- A. Equal
- B. Parallel
- **C. Perpendicular**
- D. None of the above

Q8. The middle finger points towards according to Fleming's right hand rule?

- **A. E.M.F.**
- B. Current
- C. Magnetic flux
- D. Motion of the conductor

Q9. What is the formula for induced emf?

- A. $e=t^*$?
- B. $e=t^2$?
- **C. $e=d? /dt$**
- D. $e=dt/d?$

Q10. Which of the following Materials are having good retentivity?

- A. Weak magnets
- B. Strong magnets
- **C. Permanent magnets**
- D. Temporary magnets

Q11. What is the unit of the permeability of free space?

- A. Henry
- **B. Henry/m**
- C. Henry-m
- D. None of the above

Q12. What is the electrical equivalent of reluctance?

- A. Inductance
- **B. Resistance**
- C. Capacitance
- D. None of the above

Q13. Which of the following circuit elements will oppose the change in circuit current?

- **A. Inductance only**
- B. Resistance only
- C. Capacitance only
- D. None of the above

Q14. The current is proportional to in case of inductance?

- **A. Magnetic field**
- B. Voltage across the inductance
- C. Both A & B
- D. None of the above

Q15. stores the energy in the electromagnetic field?

- A. Resistance
- **B. Inductance**
- C. Variable Register
- D. None of the above

Q16. Which of the following is the wrong statement?

- A. Induction furnace uses eddy current to produce heat
- **B. Eddy currents are produced in a steady magnetic field**
- C. Eddy currents can be minimized by using laminated core
- D. None of the above

Q17. Direction of induced current is such that it opposes the cause which produces it.

- **A. True**
- B. False

Q18. The total number of magnetic lines of force crossing a surface normally is called -

- A. magnetic field
- **B. magnetic flux**
- C. magnetic induction
- D. None of the above

Q19. does not use the application of eddy current.

- A. Induction furnace
- B. Electric power meters
- **C. LED lights**
- D. None of the above

Q20. What is the unit of magnetic flux?

- A. Weber
- B. Maxwell
- **C. Both A & B**