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Magnetism and Electromagnetism MCQ Test

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Below is the **Magnetism and Electromagnetism MCQ** test that checks your basic knowledge of Magnetism and Electromagnetism. This **Magnetism and Electromagnetism MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the **Take Magnetism and Electromagnetism Quiz** Button.

Q1. Electrons have a _____ charge

- A. Neutral
- **B. Negative**
- C. Positive
- D. None of them

Q2. Electric current flowing through a wire produces

- A. an open circuit
- B. static electricity
- **C. a magnetic field**
- D. a permanent magnet

Q3. Tesla is a unit of _____

- **A. flux**
- B. inductance
- C. flux density
- D. field strength

Q4. Ferrites are a sub-group of _____

- A. paramagnetic materials

- B. ferro-magnetic materials
- C. ferri-magnetic materials
- D. non-magnetic materials

Q5. Which of the following is not a unit of flux?

- A. Weber
- B. Telsa
- C. Maxwell
- D. All of above

Q6. Unit for quantity of electricity is

- A. watt
- B. joule
- C. coulomb
- D. ampere-hour

Q7. The uniform magnetic field is _____

- A. Set of parallel conductors
- B. Field of a single conductor
- C. Field in which all lines of magnetic flux are parallel and equidistant
- D. All of above

Q8. 77. Which of the following materials are diamagnetic ?

- A. Silver
- B. Copper
- C. Iron
- D. Both A & B

Q9. Temporary magnets are used in

- A. Motors
- B. Generators
- C. Loud-speakers
- D. All of above

Q10. Magnetic moment is a _____

- A. pole strength
- B. scalar quantity
- **C. vector quantity**
- D. universal constant

Q11. Magnetic permeability is maximum for _____ material.

- A. Diamagnetic
- B. Paramagnetic
- **C. Ferromagnetic**
- D. None of them

Q12. Permeability is the inverse equivalent of which electrical term?

- A. Voltage
- B. Current
- **C. Resistance**
- D. Conductance

Q13. Which electromagnetic device has a flexible cone?

- A. relay
- **B. speaker**
- C. solenoid
- D. DC generator

Q14. ALL metals are attracted to magnets?

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

Q15. The Earth has a magnetic field.

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

Q16. Magnetism is generated by moving

- **A. electrons**
- B. protons
- C. neutrons
- D. elements

Q17. A refrigerator magnet is an example of a

- A. magnetic material
- **B. permanent magnet**
- C. horseshoe magnet
- D. temporary magnet

Q18. What causes magnetism?

- A. friction
- B. sun
- **C. moving charges**
- D. moving neutrons

Q19. Which of the following is NOT naturally magnetic?

- A. iron
- **B. copper**
- C. cobalt
- D. nickel

Q20. Following items are NOT MAGNETIC: basketball, wooden spoon, rubber band, penny, aluminum foil

- **A. TRUE**
- B. False

Q21. What is a magnetic push or a pull?

- A. graph
- B. magnet
- **C. force**
- D. magnetism

Q22. What is an educated guess?

- A. force
- **B. prediction**
- C. detector
- D. intersection

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