12. Electromagnetism

1. The S.I unit of magnetic field is_____.

2. Faraday's law of induction is the consequence of_____.

3. The device used for producing electric current is called _____.

4. Unit of magnetic flux_____.

5. A metallic wire carrying an electric current is associated with its a_____.

6. A current that flows in the same direction is_____.

7. The current that reverses its direction is _____current.

8. An electric motor is a device that converts _____ energy into _____ energy.

9. Name the long wire wound in close packed helix_____.

10. What converts electrical energy into mechanical energy ( )

    a) Motor   b) Battery   c) Generator   d) Switch

11. Which converts mechanical energy into electrical energy ( )

    a) Motor   b) Battery   c) Generator   d) Switch

12. The S.I unit of magnetic field induction is ( )

    a) Weber   b) Weber/m^2 c) Coulomb   d) N/mt

13. Magnetic field is produced by the flow phenomenon was discovered by_____

    ( )

    a) Coulomb   b) Oersted   c) Faraday   d) Maxwell

14. Which of the following instruments works by electromagnetic induction?

    ( )

    a) Dynamo   b) Moving Coil Galvanometer

    c) Telephone Receiver   d) Simple Motor

15. For making strong electromagnet, the material of the core should be_____

    ( )

    a) Brass   b) Laminated Steel Strips   c) Soft Iron   d) Steel

16. A device for producing electric current is called_____   (   )

    a) Generator   b) Voltmeter   c) Galvanometer   d) Ammeter

17. A magnetic filed is a ____ quantity.   (   )

    a) Vector   b) Scalar   c) Tensor   d) Both Vector and Scalar

18. ____ Law gives direction of induced current.   (   )

    a) Newton's   b) Lenz's   c) faraday's   d) Nobel

19. The device based on the principle of electromagnetic induction is (   )

    a) Electric Generator   b) Voltmeter

    c) Voltmeter   d) Ammeter

Answers

1) Tesla   2) Law of Conservation Of Energy

3) Generator   4) Weber

5) Magnetic Field   6) Direct

7) Alternate   8) Electric, Mechanical

9) Solenoid   10) a

11) c   12) b

13) b   14) a

15) c   16) a

17) a   18) b

19) a