

line-height: 107%; font-family: "Times New Roman", "serif" >Is affected only by permanent magnets </p></p>

B. <p class="MsoNormal" style="text-align: justify">Align itself parallel to the applied magnetic field </p></p>

C. <p class="MsoNormal" style="text-align: justify">Vibrates in the magnetic field of the current </p></p>

D. <p class="MsoNormal" style="text-align: justify">Aligns itself perpendicular to the magnetic field </p></p>

E. Both (C) and (D)

10 The pointer of a magnetic compass:

11 A full-scale deflection is obtained in a galvanometer with a current of few

- A. ampere
- B. volts
- C. milliampere
- D. ohm

12 A magnetic force on an electron travelling with 10^8ms^{-1} parallel to a field of strength 1Wb m^{-2} is

- A. Zero
- B. $10 \times 10^5 \text{N}$
- C. $10 \times 10^8 \text{N}$
- D. $10 \times 10^8 \text{N}$

13 The strength of magnetic field around the current conductor is

- A. Smaller near the conductor
- B. Greater near the conductor
- C. Greater at the large distance from the conductor
- D. Constant near and away from the conductor

14 In a moving coil galvanometer, the deflecting couple depends upon

- A. area of the coil
- B. number of turns of coil
- C. value of magnetic field
- D. all of the above

15 If the value of galvanometer constant $k = C/BAN$ is made small, the galvanometer can be made

- A. Sensitive
- B. Accurate
- C. Stable
- D. None of these

16 A long wire wound tightly on a cylindrical core is called:

- A. Potentiometer
- B. Solenoid
- C. Toroid
- D. Wheat and stone bridge
- E. None of these

17 How many number of anodes used in electron gun

- A. one
- B. two
- C. three
- D. six

18 Which is modified form of galvanometer

- A. potentiometer
- B. battery
- C. voltmeter
- D. slide wire bridge

19 The force experienced by charged particle is maximum, if it moves

- A. parallel to magnetic field
- B. perpendicular to magnetic field
- C. opposite to the magnetic field
- D. none of these

20 Avo-meter is used of measure the

- A. current, voltage
- B. voltage, resistance
- C. resistance, current
- D. current, voltage and resistance