

Magnetism and Electromagnetism MCQ Questions with Answers Pdf

1. Tesla is a unit of
 - a. field strength
 - b. inductance
 - c. flux density
 - d. flux

Ans: C

2. A permeable substance is one
 - a. which is a good conductor
 - b. which is a bad conductor
 - c. which is a strong magnet
 - d. through which the magnetic lines of force can pass very easily

Ans: D

3. A magnetic field exist around
 - a. iron
 - b. copper
 - c. aluminium
 - d. moving charges

Ans: D

4. A magnet does not attract
 - a. Cobalt
 - b. Nickel
 - c. Copper
 - d. Iron

Ans: C

5. Aluminium and platinum are _____ materials.
 - a. ferromagnetic
 - b. diamagnetic
 - c. paramagnetic
 - d. insulating

Ans: C

6. Air gap has _____ reluctance as compared to iron or steel path.

- a. Little
- b. Lower
- c. Higher
- d. Zero

Ans: B

7. Which of the following is a vector quantity?

- a. relative permeability
- b. magnetic field intensity
- c. flux density
- d. magnetic potential

Ams: B

8. A material which is slightly repelled by a magnetic field is known as

- a. ferromagnetic material
- b. diamagnetic material
- c. paramagnetic material
- d. conducting material

Ans: B

9. When an iron is placed in a magnetic field

- a. the magnetic lines of force will bend away from their usual paths in order to go away from the piece
- b. the magnetic lines of force will bend away from their usual paths in order to pass through the piece
- c. the magnetic field will not be affected
- d. the iron piece will break

Ans: B

10. Fleming's left hand rule is used to find

- a. direction of magnetic field due to current carrying conductor
- b. direction of flux in a solenoid
- c. direction of force on a current carrying conductor in a magnetic field
- d. polarity of a magnetic pole

Ams: C