CBSE class 10 - Magnetic Effects of Electric Current important questions Set C

1. By which rule can we find the direction of the magnetic field produced by a straight current-carrying conductor? Explain the rule.

2. Draw the nature of magnetic field lines around of a current-carrying close loop?

3. Why a compass needle get deflected when placed near a current carrying conductor? From which rule we can define determine the direction of deflection of the compass needle? State and explain the rule.

4. What is the importance of Flemings right hand rule?

5. Why split ring is used in a DC generator?

6. What are the main working principle differences between generator and motor?

7. The phenomenon of electromagnetic induction is - The process of generating a magnetic field due to current passing through a coil. [True / False]

8. An electric generator converts _____ energy to _____ energy?

9. Inside and outside of a current-carrying solenoid, the magnetic field is uniform both in magnitude and direction. [True / False]

10. How we can increase the attraction power of an electromagnet?

11. (i) How we can determine the direction of magnetic field at a point?

(ii) What is the direction of magnetic field at the centre of a current-carrying circular loop?

12. What type of material should we put inside a current-carrying solenoid to make an electromagnet?

13. Is it possible to convert an A.C. into a D.C. generator? Explain your answer.

14. Right in which instrument those following laws are used?

(a) Right-hand thumb rule (b) Flemings left hand rule (c) Flemings right hand rule

15. Magnetic field lines are real lines. They are just not visible to us. [True / False]

The answer to those questions will also be available later on our website.

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