

NAME CLASS.....

1. Consider a circular loop of wire lying in the plane of the table. Let the current pass through the loop clockwise. Apply the right hand rule to find out the direction of the magnetic field inside and outside the loop..

Ans.....
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2. A positively-charged particle (alpha-particle) projected towards west is deflected towards north by a magnetic field. The direction of magnetic field is

Ans.....

3. State Fleming's Left Hand Rule.

Ans:.....
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4. List three methods of producing magnetic fields.

Ans.....
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5. Explain different ways to induce current in a coil.

Ans.....
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6. When is the force experienced by a current-carrying conductor placed in a magnetic field largest?

Ans.....
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7. Imagine that you are sitting in a chamber with your back to one wall. An electron beam, moving horizontally from back wall towards the front wall, is deflected by a strong magnetic field to your right side. What is the direction of magnetic field?

Ans.....
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8. In what situation do we use Fleming's right hand rule?

Ans.....
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9.(a) What is an electromagnet ? Name one material in each case which is used to make a

(a) Permanent magnet

(b) Temporary magnet.

Ans