

## Practice Challenge - Subjective

Subject: Phy

Topic : Magnetic effects of electric  
current - Exam Prep 1

Class: X

Time: 00:20 hrs

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1. List the properties of magnetic field lines.
2. Why don't two magnetic field lines intersect each other?
3. State Right hand thumb rule.
4. Why does a compass needle get deflected when brought near a bar magnet?
5. In which direction will a freely suspended bar magnet get aligned? Why?
6. *The magnetic field associated with a current carrying straight conductor is in anticlockwise direction. If the conductor was held along east - west direction what will be the direction of current through it ? Also state the rule which is used to find the direction of current in this case*
7. How is the magnetic field due to a straight current carrying wire affected if current in the wire is (a) decreased, (b) reversed?
8. Draw magnetic field lines around a bar magnet.