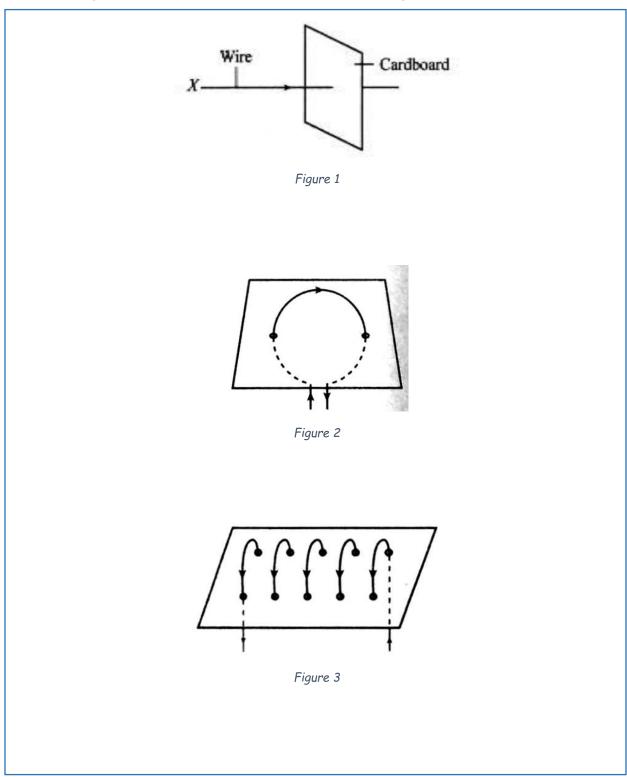
| Senpaicorner.com | n | Physics | _ | |
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| Signature: | Name: | | Marks: | |

Magnetic Field Patterns

Q1.

Draw the magnetic field patterns for each of the following



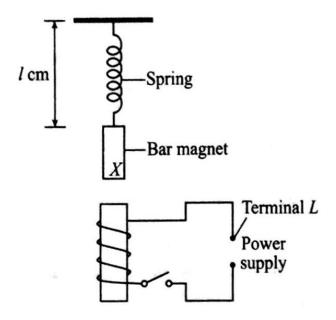
| Senpaicorner.com Signature: | Physics Name: | Marks: |
|-----------------------------|-----------------------------------|-----------|
| Q2. | | |
| Draw the magnetic field po | atterns for each of the following | |
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Magnetic Field Patterns\2

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| Signature: | Name: | | Marks: | |

Q3.

The figure below shows a vertical spring with a bar magnet hanging at the lower end. An electromagnet is placed below the bar magnet. The length of the spring is I cm. When the switch is closed, the length of the spring became shorter. Which of the following statements is true about pole X of the bar magnet and terminal L of the power supply?



| | Pole X | Terminal L |
|---|--------|-----------------------------|
| A | North | Either positive or negative |
| В | South | Either positive or negative |
| C | South | Negative only |
| D | North | Negative only |

Figure 4

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|------------------|-------|---------|--------|--|
| Signature: | Name: | | Marks: | |

Q4.

In the figure below, opposite poles of a pair of magnadur magnets face each other with a current-carrying conductor in the magnetic field. The current flows out of the paper. On the figure, draw the resultant catapult field.

