

Signature:

Name:

Marks:

Magnetic Field Patterns

Q1.

Draw the magnetic field patterns for each of the following

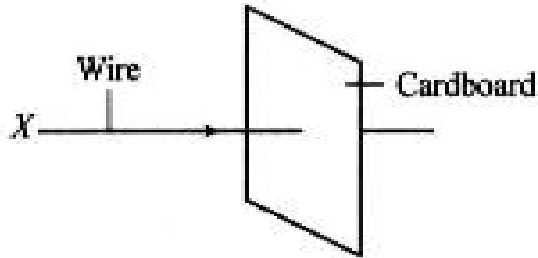


Figure 1

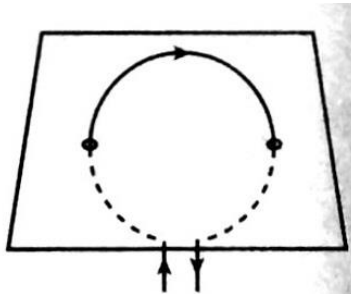


Figure 2

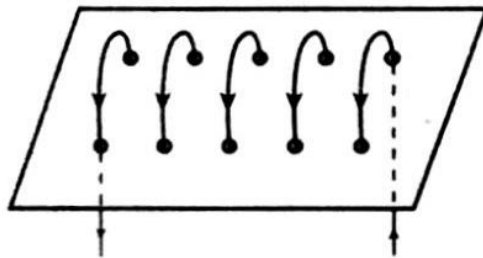


Figure 3

Signature:

Name:

Marks:

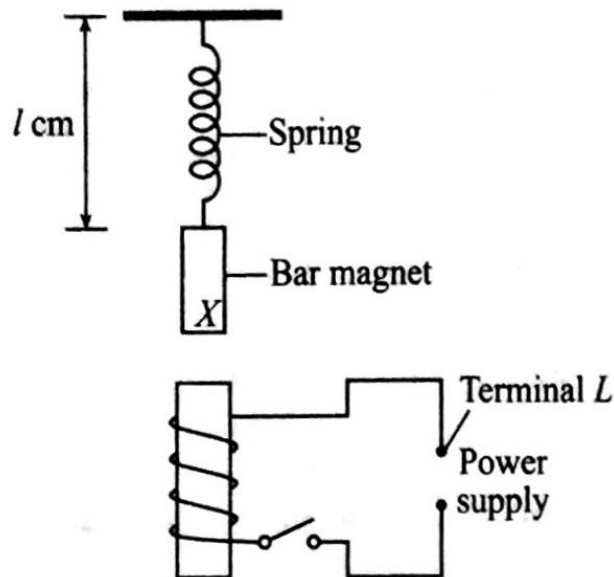
Q2.

Draw the magnetic field patterns for each of the following

Magnetic Field Patterns\2

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 l 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
B	South	Either positive or negative
C	South	Negative only
D	North	Negative only

Figure 4

Signature: Name: Marks: **Q4.**

In the figure below, opposite poles of a pair of magnet 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.

