

# BHARATH COACHING CENTRE

6<sup>th</sup> CBSE

Fun With Magnets

Total: 40

Science

Time: 2.00hrs

## SECTION – A

5 x 1 = 5

1. A magnet always has \_\_\_\_ poles
2. Artificial magnets are made in different shapes such as \_\_\_\_, \_\_\_\_ and \_\_\_\_
3. Paper is not a \_\_\_\_
4. The materials which are attracted towards a magnet are called \_\_\_\_
5. In olden days, sailors used to find direction by suspending a piece of \_\_\_\_

## SECTION – B

10 X 2 = 20

6. What are poles of a bar magnet located?
7. Write any two properties of a magnet.
8. Write two methods by which a magnet can be demagnetized.
9. What is the principle on which magnetic compass works?
10. How can you separate a magnet substance from a mixture?
11. What is an electromagnet?
12. How magnets lose their property?
13. What is a magnetic compass?
14. What is the difference between magnetic and non-magnetic? Give examples.
15. How should we keep a horse shoe magnet?

## SECTION – C

3 X 5 = 15

16. Show that a magnet has two poles. What are the properties of the poles of a magnet?
17. A given bar magnet was broken into pieces, where will be its north and South Pole?
18. You are given two rods. Out of these, one is an iron rod and the other one is an magnet, how will you identify these rods