Formative Assessment Part(b) -Unit Test
Magnetism

Answer With Solution Steps For The Formative Assessment Part(b) -Unit Test.
Click / Scan QR Code to Attempt More Number of Practice Test in Magnetism.

1. Choose the appropriate answer

1. An object that is attracted by magnet.

A) Eraser
B) Plain pins
C) Wooden piece

Explanation: The materials that are attracted towards a magnet are called magnetic materials. Iron, nickel and cobalt are magnetic materials. Magnetite or Lodestone is the first known natural magnet that contains iron. Plain pins are an example of magnetic materials.

The materials that are not attracted towards a magnet are called non-magnetic materials. Wooden piece, eraser and a piece of paper are non-magnetic materials. Even metals like gold and silver are non-magnetic in nature.

2. People who made mariner's compass for the first time.

A) Indians
B) Europeans
C) Chinese

Explanation: The Chinese discovered that a natural magnetic stone, i.e., lodestone, when suspended, aligns in the north-south direction at rest. Chinese travellers used these lodestones for navigation in the ocean. They suspended a piece of lodestone in their ships or boats to locate directions during a storm.

3. A freely suspended magnet always comes to rest in the ____ direction.

A) South - west
B) East - west
C) North - south

Explanation: According to the directive property, the magnet rests in the same direction again and again, which is the north-south direction. A magnet, when suspended freely in the air, will always come to rest in the north-south direction.

2. Fill in the blanks

1. In olden days, sailors used to find direction by suspending a piece of **Lodestones** .

2. A magnet always has **Two** poles.

3. True or False

1. A cylindrical magnet has only one pole.

A) False
B) True

Correct statement: A cylindrical magnet has only two poles.

2. Similar poles of a magnet repel each other.

A) True
B) False

Correct statement: North pole of one magnet repel with north pole of another magnet

3. Maximum iron filings stick in the middle of a bar magnet when it is brought near them.

A) True
B) False

Correct statement: Maximum iron filings stick to the ends of a bar magnet when it is brought near them

4. Match the following