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. Magnets lose their properties when they are ____ .

A) stored
B) cleaned
C) hit with a hammer

Explanation: The magnetic property of a material will be lost when
• heated,
• hammered, or
• dropped from a certain height

Placing the magnets near an electronic device and improper storage will also affect the magnetic field of a magnet.

2. Mariner's compass is used to find the ____ .

A) direction
B) speed
C) motion

Explanation: A compass is a device that is used to find the direction. Mariner's compass is used to find the direction.

The compass is mainly used in ships and aeroplanes for navigation. Mountaineers carry a compass to the unknown places to find their way out.

2. Fill in the blanks

1. Artificial magnets are made in different shapes such as **Bar-magnet** , **horseshoe magnet** and **ring magnet** .

2. The materials which are attracted towards the magnet are called **Magnetic materials** .

3. Paper is not a **Magnetic** material.

3. True or False

1. A compass can be used to find east west direction at any place.

A) True
B) False

Correct statement: A compass always points towards north-south direction

2. Rubber is a magnetic material.

A) False
B) True

Correct statement: Rubber is a non-magnetic material

4. Circle the odd ones and give reasons

1. Iron nail, pins, rubber tube, needle.

Explanation: The materials that are not attracted towards a magnet are called **non-magnetic materials**. Plastics, leather, rubber, and paper are non-magnetic materials. Even metals like gold and silver are non-magnetic in nature.

2. Lift, escalator, electromagnetic train, electric bulb.

Explanation: When an electric current flows through an iron piece wounded by a coil, it behaves like a magnet. This phenomenon is known as **electromagnetism**.

A type of magnet that produces a magnetic field when an electric current flows through it is known as an **electromagnet**.

A good application of electromagnets are an electromagnetic train, lift and escalator.

3. Attraction, repulsion, pointing direction, illumination.

Explanation: Illumination is a property of light. Attraction, repulsion and pointing direction are magnetic properties.