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**SINDHI HIGH SCHOOL, HEBBAL**

**PERIODIC TEST – III (2023-24)**

**SUBJECT – Science**

**Class: VI Marks:30**

**Date: 5/2/2024 Reading Time: 8:20 to 8:30 am Number of printed sides: 3 Writing Time: 8:30 to 9:30 am**

**General Instructions:**

The question paper consists of 14 questions in 5 sections.

All questions are compulsory.

**Section A** consists of 6 objective type questions carrying 1 mark each.

**Section B** consists of 3 Very Short questions carrying 2 marks each.

**Section C** consists of 3 Short Answer questions carrying 3 marks each.

**Section D** consists of 1 Long Answer question carrying 5 marks.

**Section E** consists of 1 Case Study Based question carrying 4 marks with sub parts

**SECTION A**

1. Which is a natural magnet? **[1]**

(a) Magnetite (b) Hematite

(c) Bakelite (d) Cobalt

2. A mixture of mustard oil and water can be separated by- **[1]**

(a) Sublimation (b) Loading

(c) Distillation (d) Separating funnel

3. Suppose you accidently stamp on a pin, you would jump up quickly. The pricking of the pin is

called the ------ **[1]**

(a) Stimulus (b) Response

(c) Planning reaction (d) quick reaction

**For question numbers 4, 5 and 6 two statements are given- one labelled Assertion (A) and the other labelled Reason (R).**

**Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:**

1. **Both A and R are true, and R is correct explanation of the assertion.**
2. **Both A and R are true, but R is not the correct explanation of the assertion.**
3. **A is true, but R is false.**
4. **A is false, but R is true.**

4**. Assertion:** The north pole of a freely suspended magnet points towards

geographic north.

**Reason:**Using pieces of iron we can make artificial magnets. **[1]**

5. **Assertion:** A magnet is used to separate mixture of iron fillings from sand.  **[1]**

**Reason**: Iron is a magnetic material and sand is a non-magnetic**.**

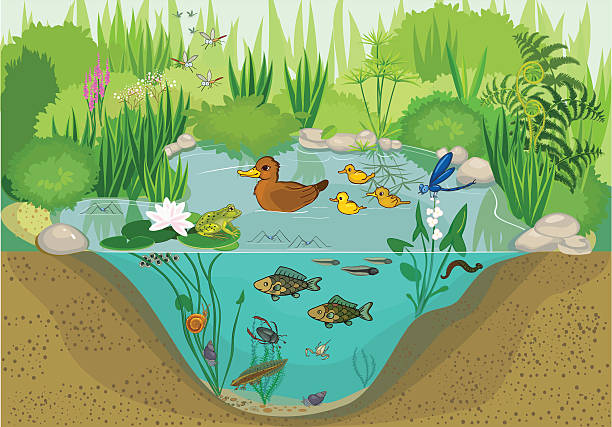
6. **Assertion: All living organisms together constitute ecosystem. [1]**

**Reason:** **Rocks, soil, air, H2O, light and temperature are some of our surrounding. [1]**

**SECTION B**

7. Observe the given picture below and identify the producer, primary consumer, secondary

consumer and tertiary consumer in it. **[2]**

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8. (a) Sheela pours ice cold water from the fridge in to a glass. She observed water droplets on the

outer surface of the glass. What could be the reason for this?

(b) Mention any other situation where you observe similar process.  **[2]**

9. Define the following processes:-

(i) Solubility (ii) solution **[2]**

**SECTION C**

10. (a) Study the magnets X and Y given below: **[2+1]**

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(i) If B is the north pole of the magnet X, which is the north pole of magnet Y and why?

(ii) What will happen when A is brought close to C?

(b) Can we isolate north pole or south pole of a magnet? Give reason.

11. Rama and Shyama were asked to make salt solution. Rama was given one **[3]**

teaspoonful of salt and half a glass of water, whereas Shyama was given twenty

teaspoonful of salt and half a glass of water.

(a) How would they make salt solutions?

(b) Who would be able to make saturated solution and how?

(c) What is the effect of temperature on a saturated solution?

12. List the important characteristics of living things, which differentiate them from

non-living things. **[3]**

**SECTION D**

13. (a) What are the ways by which a magnet can be demagnetized? **[3+2]**

(b) How should two-bar magnets be stored?

**SECTION E**

**Read the passage and answer the following questions from 14(i) to 14(iii)**

14. We live in cities and towns because these places fulfil our daily needs like food, water

and shelter. In fact all living things prefer to live in those places that are best suited to

their needs.

(i) What is habitat? **[1]**

(ii) Name the habitat of camel and polar bear.  **[1]**

(iii) What is environment? Name the components of environment. **[2]**

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