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**SINDHI HIGH SCHOOL, HEBBAL**

**PERIODIC TEST - I (2023-24)**

**SUBJECT – Science**

**Marks: 30**

**Class: VIII Timings: 1 Hours 10 mins**

**Date: 07/7/2023 Reading Time: 8:05 to 8:15 am Number of printed sides: 2 Writing Time: 8:15 to 9:15 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 Answer 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 one Case Study Based question carrying 4 marks with sub-parts.

**SECTION-A**

1) A light ray incident on mirror A at an angle of 25 degrees falls on mirror B after reflection. The angle of reflection for the reflected ray from mirror B would be- **[1]**

(a) 25 degrees. (b) 50 degrees.

(c) 65 degrees.  (d) 115 degrees.

2) What change occurs to an atom when it forms a negative ion? **[1]**

(a) It loses electrons. (b) It gains electrons.

(c) It gains protons. (d) It loses protons.

3) Seed drill is used to **[1]**

    (a) sow the seeds (b) remove the weeds

(c) remove the pest (d) mix manure in the soil.

**For question numbers 4 to 6, two statements are given: - o n e 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.**
5. **Assertion: An image formed by a plane mirror, the left of the object appears on the right and the right appears on left. [1]**

**Reason**: The image formed in a plane mirror is a real image.

5) **Assertion:** A sodium ion has positive charge.  **[1]**

**Reason**: Sodium ion has more protons than a neutral atom.

6) **Assertion:** Time period of kharif crop is November to April.  **[1]**  
 **Reason**: Kharif crop is dependent on the monsoon.

**SECTION-B**

7) Explain why we cannot see our surroundings clearly when we enter a darkened cinema hall

after bright sunlight but our vision improves after sometime. **[2]**

8) Differentiate between cations and anions with one example for each. **[2]**

9) How is levelling different from tilling and write **any 1** significance of these processes? **[2]**

**SECTION-C**

10) Man **A** has a defect of vision due to which he cannot see the nearby objects clearly

(though he can see the distant objects clearly). On the other hand, man **B** has a defect of vision

due to which he cannot see the distant object clearly (though he can see the nearby objects

clearly). The defect in man **A** can be correct by using spectacles containing lenses **C** whereas

the defect in man **B** can be corrected by using spectacles containing lenses **D.**

a) Name the defect of vision in man i) A and ii) B.

b) What type of lenses are i) C and ii) D? **[2+1]**

11) a) Name the following compounds: **[1+2]**

i) Na2SO4 ii) Al(OH)3

b) Derive the molecular formula of the following compound using steps:

i) Potassium carbonate ii) calcium oxide

12) Write any 3 differences between manure and fertilizer **[3]**

**SECTION-D**

13) a) Draw a neat labelled structure of a human eye. **[3+2]**

1. Write any 4 ways to protect your eyes.

**SECTION-E**

14) India largely depends on the agricultural sector. Besides, agriculture is not just a means of livelihood but a way of living life in India. For thousands of years, we have been practicing agriculture. We feel gratitude when we hear the word “agriculture”. Without agriculture, it is not possible to feed ourselves. Our farmers work so hard in the agricultural sector to feed us. They also help to prevent future attacks on us or our neighbouring country for food. Our farmers stand for us in any situation by giving food to the world.

a) Name any two agricultural implements used for the preparation of soil. **[1]**

b) Seeds should be sown at right depth in the soil. Give reason.  **[1]**

**c) What is meant by “crop rotation”? Write its importance. [2]**

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