

INDIAN SCHOOL SOHAR PERIODIC TEST - II (2023-24) **SUBJECT – Science** CLASS - VSET –A

Date of Exam: 14-01-2024 **Time Allotted: 40 Minutes** Max. Marks: 20 (Note: This question paper consists of 2 printed pages. Please check that you have all the pages.) _____ Q1. Choose the correct option:

- i. The rock which is formed by metamorphosis of limestone.
 - **B)** Gniess A) Quartzite C) Marble D) Slate

ii. A special chemical which is added to increase speed of sedimentation.

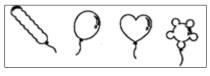
- B) Potassium permanganate A) Chlorine
- C) Iodine D) Alum.
- iii. In the activity given below, the water in the glass does not spill out because
 - A) force between cardboard and water
 - B) air exerts pressure on the cardboard
 - C) cardboard is waterproof
 - D) air is lighter than cardboard.

iv. Which of the following is not a cause of soil erosion?

- B) blowing wind A) running water
- C) afforestation D) overgrazing by cattle

v. Ravi inflated four balloons as shown below. Which property of air can be proved from the given figures?

- A) Air has matter B) Air has no mass
- C) Air has no weight D) Air occupies space.



Q2. There are two statements marked as Assertion (A) and Reason (R). Choose the correct answer from the options given and write it in space provided below:

 $(1 \times 2 = 2)$

- a. Both A and R are true and R is the correct explanation of A.
- b. Both A and R are true and R is not the correct explanation of A.
- c. A is true but R is false.
- d. A is false but R is true.
- i. **Assertion:** Rocks are made up of minerals. **Reason:** Some minerals are metallic while others are non-metallic.

Page 1 of 2

 $(1 \times 5 = 5)$

ii. Assertion: Boiling is the simplest way of purifying water.Reason: Boiling the water for 5 minutes makes it fit for drinking.

Q3. Answer the following in one word:

- Name the layers of the atmosphere which protect us from ultraviolet rays of sun a) ______ and which protects us from meteors b) ______.
- ii. Mention any one use of following:a. Granite b. Coal
- iii. Observe the picture below and answer the following questions:
 - a. Mention the name of the method.
 - b. Which type of impurity is separated by this method?

Q4. Give reason for the following:

- i. It is important to conserve natural resources.
- ii. Distilled water is not ideal for drinking.

Q5. Answer the following in short:

- i. Mention any two things that require the use of air pressure.
- ii. Explain the process of formation of igneous rocks (2 points)

Q6. Answer the following questions:

i. Read the passage and answer the following questions:

Air is present all around us. We cannot see it but we can feel it. It is very essential for life. Air is mixture of many gases with oxygen and nitrogen as major components and many other gases present in minute quantities which have special uses. Some gases are essential for living things while some gases are important for burning.

- a. Draw a well labelled diagram showing composition of air.
- b. Mention uses of following gases:
 - 1. Argon
 - 2. Nitrogen
- c. Imagine there was no carbon dioxide in the air. What would have happened then?
- ii. a. Explain the process of sedimentation and decantation. (2 marks)

b. Differentiate between soluble and insoluble impurities. (1 mark)



 $(1 \times 2 = 2)$

 $(1 \times 2 = 2)$

 $(3 \times 2 = 6)$