



INDIAN SCHOOL SOHAR
PERIODIC TEST - II (2023-24)
SUBJECT – Science
CLASS – V
SET –B

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:

(1× 5=5)

i. The process of adding special chemical to water to increase the rate of sedimentation_____

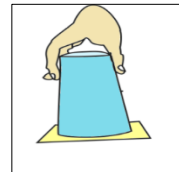
- A) evaporation B) distillation
C) decantation D) loading

ii. The rock which is formed by metamorphosis of limestone.

- A) Quartzite B) Gniess
C) Marble D) Slate

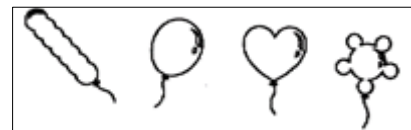
iii. In the activity given below, the water in the glass does not spill out because _____

- A) force between cardboard and water
B) air exerts pressure on the cardboard
C) cardboard is waterproof
D) air is lighter than cardboard



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

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



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

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

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:

(1×2=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:** On hill slopes, steps should be cut for growing crops.

Reason: The steps reduce the speed of flowing water and reduce soil erosion.

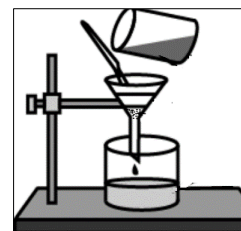
ii. **Assertion:** Boiling is the simplest way of purifying water.

Reason: Boiling the water for 5 minutes makes it fit for drinking.

Q3. Answer the following in one word

(1×3 =3)

- i. 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. Pumice b. Petroleum
- iii. Observe the picture below and answer the following questions:
a. Mention the name of this method
b. Which type of impurity is separated by this method?



Q4. Answer the following questions:

(3×2 =6)

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)

Q5. Give reason for the following:

(1×2 =2)

- i. Filtered water is clear but it is not safe for drinking.
- ii. Jet planes fly in stratosphere.

Q6. Answer the following in short:

(1×2 =2)

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