

Class: VI
Mid-Term Examination (2025-26)
Subject: Chemistry
Set: C1

General Instructions:

- All questions are compulsory.
- Read the questions carefully and answer them in neat handwriting.

Q 1

MCQ:

1*3

(i) Why cannot a tumbler made of cloth be used for storing water?

- (a) Because cloth is too heavy
- (b) Because cloth is not shiny
- (c) Because cloth is not transparent
- (d) Because it is not capable of holding water.

(ii) The image shows two containers filled with water placed outside a house, one under a tree and one under the sun. What is the observation of this setup?



- (a) The container in shade collects more rainwater.
- (b) There are more insects in the shade than in garden.
- (c) Water evaporates faster in sunlight as compared to the shade.
- (d) Water should be kept near the plants to grow faster.

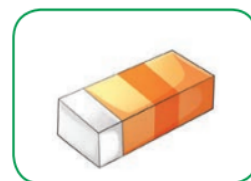
(iii) The objects given in the image below can be classified on the basis of:



Glass tumbler



Butter paper



Eraser

- (a) Soluble or insoluble in water
- (b) Materials through which one can see or cannot see
- (c) Heavy or light objects
- (d) Hard or soft materials

Q 2	Assertion - Reason Question. 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: (a) Both A and R are true, and R is correct explanation of the assertion (b) Both A and R are true, but R is not the correct explanation of the assertion. (c) A is true, but R is false. (d) A is false, but R is true. Assertion: Evaporation plays an important role while colouring with water colours. Reason: The water present in water based painting colours dry due to the process of evaporation.	1
Q 3	On a hot summer day we add ice cubes to a glass of juice at room temperature. Give reasons for the following observations.  (a) Why does the ice disappear and juice feels cold after a few minutes of adding ice? (b) Why do the water droplets appear on the outer surface of a cold glass of juice?	2
Q 4	(a) The aquatic organism shown in the image below needs which gas for survival? How is this gas obtained by them?  (b) Two similar containers are filled with the same liquid water as shown below. In what way both containers are different? 	2

Q 5	<u>Attempt either (A) or (B)</u> <u>(A)</u> (a) Why does the space around natural grass feel cooler than space around plastic grass? (b) Why do we notice the smell of the food being cooked even without entering the kitchen? (c) Why is water sprinkled on the floor or the roof during summer? OR <u>(B)</u> Complete the following table describing properties of different states of water: <table><tr><th>Property</th><th>Solid</th><th>Liquid</th><th>Gas</th></tr><tr><td>Shape</td><td></td><td></td><td></td></tr><tr><td>Ability to spread</td><td></td><td></td><td></td></tr></table>	Property	Solid	Liquid	Gas	Shape				Ability to spread				3 <
Property	Solid	Liquid	Gas											
Shape														
Ability to spread														

water available on the Earth is fit for use by plants, animals and humans. Most of the water is in the oceans and it cannot be used directly. We use water for drinking and also for many other activities

(a) Identify the activities that involve evaporation.

(i) Drying of clothes

(ii) Freezing water to ice

(iii) Melting of glaciers

(iv) Mopping of floor

(b) Why do clothes dry slowly on a rainy day?

Attempt either (c) or (d)

(c) Name the process due to which clouds are formed. Explain this process..

OR

(d) The following flow diagram represents the change of three states of water and the processes involved. Complete the flow diagram:

