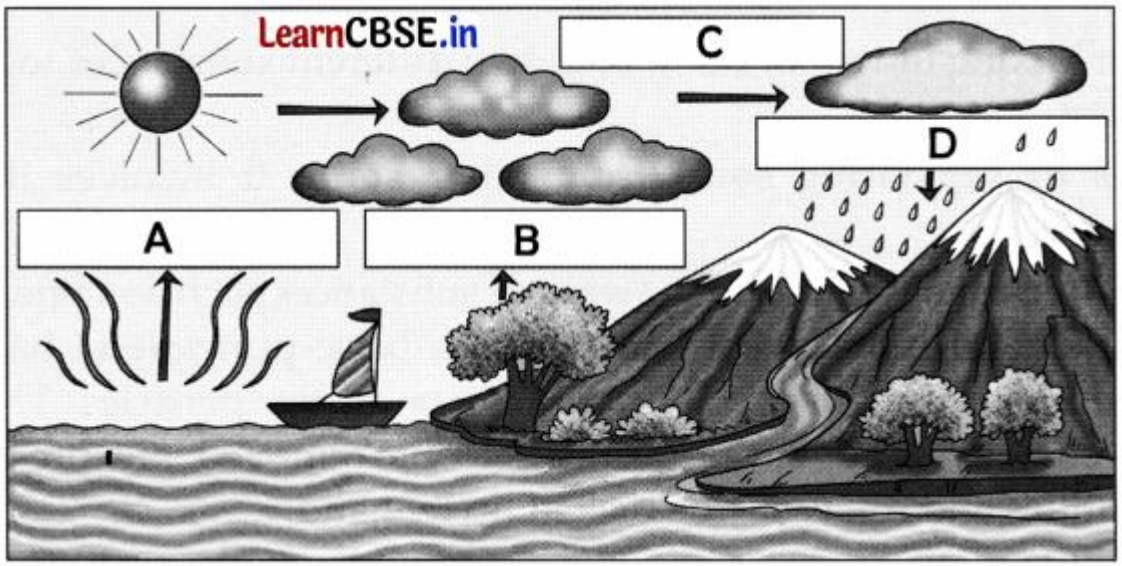
CLASS – VI
FINAL TERM EXAMINATION – 2024-25
SUBJECT – CHEMISTRY
SET-A1

MAX. MARKS-20

General Instructions:
1. Please check that this question paper has 4 printed sheets.
2. All questions are compulsory.
3. Q1 TO Q4 are objective type questions (MCQ/ Assertion Reason) of 1 mark each.
4.Q5 and Q6 are short answer type questions of 2 marks each .
5.Q7 long answer type questions of 3 marks each.
6. Q8. Is long type question of 5 marks
7.Q9 is case based question of 4 marks.

Q NO.	QUESTIONS	MARKS
1.	Tick the incorrect statement from the following: (a) Gold and silver show metallic luster. (b) Solids have a definite shape. (c) Liquids have a definite shape and volume. (d) Gases do not have a definite shape and volume.	1
2.	Reason for the formation of the droplets of water on the outer surface of the ice-cold water glass is (a) water seeped out from the glass (b) evaporation of atmospheric water vapour (c) condensation of atmospheric water vapour (d) evaporation of water from the glass	1
3	Identify the separation technique used in the given diagram (a)Winnowing: (b)Threshing (c)Handpicking (d)Sieving	1
4	For question numbers 2 two statements are given- one labeled **Assertion (A)** and the other labeled **Reason** **I.** Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below- a) Assertion and reason both are correct statement and reason is correct explanation for assertion.	1

	b) Assertion and reason both are correct statement and reason is not correct explanation for assertion. c) Assertion is correct statement but reason is wrong statement. d) Assertion is wrong statement but reason is correct statement. Assertion/Reason **Assertion (A):** Moving air is called wind. **Reason (R):** A windmill farm is an area with a huge number of windmills that use the energy of the wind to generate electricity.	
5	Why is it more difficult to drink hot tea in a steel cup than in a glass cup?	2
6.	Observe the phenomena that are shown in the figure.  Write all the terms related to 'A', 'B', 'C', and 'D' marked in the figure. A = _____ B = _____ C = _____ D = _____	2
6	**OR** What is the scientific principle behind the use of earthen pots made of sand and clay during the summers? (as shown in following figure)	2

7.	Distinguish between Transparent, translucent and opaque objects in a tabular form. (2 points- 1 main point, 1 e.g.)	3
	OR	
7(i)	Who am I? Identify me on the basis of the given properties. (a)I have lustre. _____ (b) I can be easily compressed. _____ (c) I am hard and soluble in water. _____ (d) You cannot see clearly through me. _____	2
(ii)	Name any two properties which can be shown by all materials?	1
8.(a)	How will you separate the mixture of oil and water? Explain the steps involved.Draw the diagram also	
8(b)	Identify and define the separation technique shown in the figure below: 	3+2
8(a)	**OR** How is common salt obtained from sea water? Draw the diagram.	
8(b)	How can magnets be useful in separating substances. Explain briefly.	3+2

9	The following questions are case-based. Read the case carefully and answer the questions that follow. On International Yoga Day, we connect with nature's bounty – air, water, forests, and soil. The energy from the Sun nourishes our planet. Rocks and minerals form the Earth's foundation. Natural resources, like air and water, are abundant. Renewable resources, such as solar energy, can be replenished. Non-renewable resources, like fossil fuels, are finite. Forests provide oxygen and sustain life. Soil supports plant growth, while rocks store ancient secrets. Conserving these resources ensures a harmonious future. By embracing nature's gifts, we thrive. Soil, rock, and minerals are the building blocks of our planet. Soil nurtures plant life, while rocks form the earth's foundation. Minerals, found in rocks and soil, are the source of essential metals like iron, copper, and gold. Air pollution is a growing environmental concern that affects human health, wildlife, and the planet as a whole. The release of harmful pollutants into the atmosphere, primarily through human activities like burning fossil fuels and industrial processes, is causing irreversible damage to our ecosystem. They are formed through geological processes, taking thousands of years to create. These natural resources are vital for human existence, supporting ecosystems, and fueling industries. (i) Write two simple steps to reduce air pollution.? (ii) Name two important metals extracted from minerals. (iii) Write two disadvantages of using fossil fuels	1+1+2