

INDIAN SCHOOL SOHAR PERIODIC TEST I (2024-25) SUBJECT: SCIENCE

SET II

CLASS: IX DATE: 19/05/2024 MAX. MARKS: 20 TIME: 40 MINUTES

## General Instructions:

i. This question paper consists of 10 questions in 5 sections.

ii. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.

iii. Section A consists of six objective type questions carrying 1 mark each.

iv. Section B consists of one very short question carrying 02 marks.

v. Section C consists of one short answer type question carrying 03 marks.

vi. Section D consists of one descriptive question carrying 05 marks.

vii. Section E consists of one case-based question carrying 04 marks with sub-parts.

## SECTION – A

Select and write one most appropriate option out of the four options given for each of the questions 1 to 4			
Q. No	Questions		Marks
1	Animal cells do not show plasmolysis because		1
	(a) they do not exhibit osmosis.	(b) they do not possess cell wall.	
	(c) they are living cells.	(d) they have intercellular spaces.	
2	A student put 5 raisins each in two beakers A and B. Beaker A contained 50 mL of distilled water		
	and beaker B had 50 mL of saturated sugar solution. After sometime the student would observe that		
	(a) raisins in beaker A were more swollen than those in beaker B.		
	(b) raisins in beaker B were more swollen than those in beaker A.		
	(c) raisins in both beakers A and B were equally swollen.		
	(d) raisins in beaker A did not swell up at all.		
3	A quantity has a value of -6 m/s. It may be the:		1
	(a) Speed of a particle	(b) Velocity of a particle	
	(c) Position of a particle	(d) Displacement of a particle	
4	The three states of matter can be arranged in the decreasing order of interparticle forces as		1
	(a) solid > gas > liquid	(b) liquid > gas > solid	
	(c) solid > liquid > gas	(d) gas > liquid > solid	
Q. no 5 and 6 are Assertion - Reasoning based questions.			
These consist of two statements – Assertion (A) and Reason (R). Answer these questions by selecting the			
appropriate option from below:			
(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			
5	Assertion(A): Naphthalene does not leave any residue when kept open for some time. Reason(R): The conversion of a solid directly into gas is called Condensation.		
6	Assertion (A): The average speed of a body over a given interval of time is equal to the average 1		
	velocity of the body in the same interval of time if a body moves in a straight line in one direction.		
	Reason(R): Here, the distance travelled by a	a body is equal to the displacement of the body.	

