

BHARTIYA SHIKSHA BOARD
MODEL PAPER – TERM II
SCIENCE – CLASS VI
SESSION-2025-26

Richa 02/01/26
Ritika 02.01.2026

Time: 1 Hour

Max Marks: 20

GENERAL INSTRUCTIONS:

- Read the questions carefully.
- Please check that this question paper contains **03** printed pages.
- **10** minutes extra time is allowed to read this question paper. During this time, students will only read this question paper and not write the answers.
- This question paper contains **08** questions. All questions are compulsory.
- The question paper is divided into **four sections** – A, B, C and D.
 - **Section A:** Q.no. **1** and **2** carry **01** mark each, Q.no. **3, 4** and **5** carry **02** marks each.
 - **Section B:** Q.no. **6** consists of two sub-parts. Each sub-part carry **02** marks.
 - **Section C:** Q.no. **7** consists of two sub-parts. Sub-part (i) carries 02 marks and sub-part (ii) carries 01 mark.
 - **Section D:** Q.no. **8** consists of two sub-parts. Sub-part (i) carries 03 marks and sub-part (ii) carries 02 marks.

SECTION-A

1. Which property of a liquid is being shown when it flows through the fibers of a hand towel to make it wet? (1)

- (a) It has a fixed shape.
- (b) It can flow and move through tiny gaps.
- (c) It is transparent like glass.
- (d) It is attracted to magnets.

2. Consider the following processes.

- i. Grating carrot
- ii. Cooking Dal
- iii. Baking roti
- iv. Stretching rubber band

Which of the processes above result in a chemical change? (1)

- (a) i and ii
- (b) i and iii
- (c) ii and iii
- (d) iii and iv

3. State whether the following statement is True or False: (2)

- (a) To form a shadow, we must have three things: a source of light, an opaque object, and a screen.
- (b) Pasteurization is heating the milk to 100°C and quickly cooling to about 4°C .

4. Fill in the blanks: (2)

- (a) Typhoid is an infectious disease that spreads through _____ (fungi/bacteria) and infected food. A common symptom of this disease is severe _____ (stomach pain/loose motion).
- (b) Boiling is a process that occurs only at a fixed temperature _____ ($50^{\circ}\text{C}/100^{\circ}\text{C}$) while evaporation is a process that can occur at _____ temperature (normal/high).

5. **Directions:** In the following question, a statement of **Assertion (A)** is followed by a statement of **Reason (R)**. Mark the correct choice as: (2)

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (b) Both (A) and (R) are true but (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 (A):** Roughage does not provide any nutrients to our body, yet it is an essential component of our food.

Reason (R): Roughage helps our body get rid of undigested food and prevents constipation.

(ii) **Assertion (A):** A freely suspended bar magnet always comes to rest in the North-South direction.

Reason (R): Every bar magnet, no matter its size, has two magnetic poles, a North pole and a South pole.

Section -B

6. Answer the following questions:

- (a) Define food preservation. Name two commonly used food preservation methods. (2)
- (b) Why do solids have a fixed shape while liquids take the shape of the container they are in? (2)

Section -C

7. Answer the following questions:

- (a) Explain how a balloon fixed over the neck of a bottle can be inflated without blowing air into it. (2)
- (b) If people throw garbage in a vacant plot, what will be the effect on the health of the population living there? (1)

Section -D

8. Answer the following questions:

(a) Read the passage and answer the questions: (3)

Rahul went to Jantar Mantar at 10:00 AM. He saw a giant stone ramp casting a long shadow on a scale. When he returned at 12:00 PM (noon), he noticed the shadow had become much shorter.

- (i) What kind of object is the stone ramp: Transparent or Opaque?
- (ii) Why did the size of the shadow change between 10 AM and 12 PM?
- (iii) What would happen to the shadow if the ramp was made of clear glass? Explain why.

(b) Look at the diagram below showing a bar magnet dipped into a pile of iron filings. Answer the following: (2)

- (i) Why are most of the iron filings sticking to the ends rather than the middle?
- (ii) What are these two ends of the magnet called?

