

Ritika 02/01/26

Divya 02/01/26

Ritika 02-01-2026

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

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?

- (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?

