

Field 02/01/26
Tiwja 02/01/26 *Ritika 02.01.2026*

**BHARTIYA SHIKSHA BOARD
MODEL PAPER – TERM II
SCIENCE – CLASS VII
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, 2 and 3** carry **01** mark each, Q.no. **4** carries **03** marks, Q.no. **5** carries **02** marks.
 - **Section B:** Q.no. **6** consists of two sub-parts. Each sub-part carry **02** marks.
 - **Section C:** Q.no. **7** carries **03** marks.
 - **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. How can improper ploughing lead to more weeds in the field? (1)**
 - (a) Weeds get scared and stop growing.
 - (b) Weed seeds disappear from the field
 - (c) Weed seeds turn into stones.
 - (d) Weed seeds on the surface are not buried and can grow easily.
- 2. A beam of light travelling in air strikes a smooth, shiny metal plate. What mainly happens to most of the light? (1)**
 - (a) It disappears inside the metal and is destroyed.
 - (b) It gets reflected back from the surface.
 - (c) It passes through the metal plate.
 - (d) It turns into sound as it hits the plate.
- 3. Which is the primary greenhouse gas responsible for global warming? (1)**

(a) Carbon dioxide	(b) Nitrous oxide
(c) Methane	(d) Chlorofluorocarbons

4. Match the column:

(1x3=3)

Column-I		Column-II	
i.	Fertilisers and pesticides	a.	Rusting
ii.	Greenhouse gas	b.	Soil pollution
iii.	Chemical change	c.	Carbon dioxide

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

- (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):** Painting on an iron object prevents rusting.

Reason (R): The paint coat acts as a barrier, stopping moisture and air from reaching the iron surface. (1)

(ii) **Assertion (A):** Decantation is a method used to separate an insoluble solid from a liquid.

Reason (R): In decantation, the heavier solid settles at the bottom, and the clear liquid is carefully poured off from the top. (1)

SECTION-B

6. Answer the following questions:

- (a) (i) List any two characteristics of chemical change. (1)
- (ii) Write down the conditions necessary for combustion. (1)
- (b) What is crop rotation? State two reasons why it is important. (2)

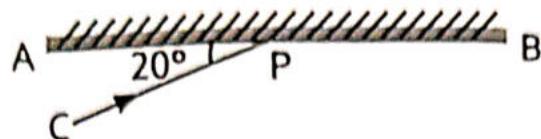
SECTION-C

7. What are the three main factors that control the rise in temperature of an object when heat is supplied to it? (3)

SECTION-D

8. Answer the following questions:

a. The figure shows an incident ray CP falling on a plane mirror placed on the line AB . What will be the angle between the incident ray and reflected ray?



(3)

b. Differentiate between compounds and mixtures. (any two)

(2)