



Indian School Al Wadi Al Kabir

Pre Mid-term Examination (2025-2026)

Class: VIII
Date: 13/05/2025

Subject: SCIENCE
SET- II

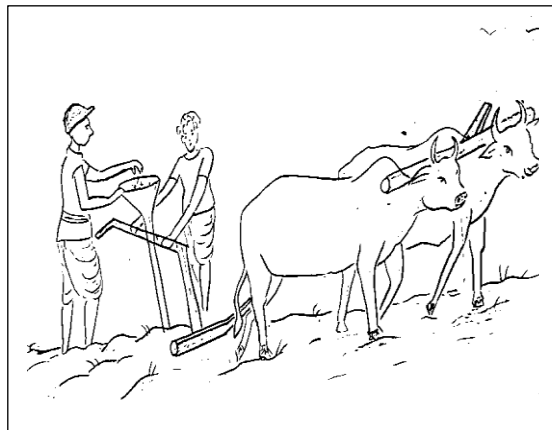
Max. marks: 30
Time: 1 hour

General Instructions:

- i. All questions are compulsory. Marks are indicated against each section.
- ii. The question paper comprises **4** pages and **15** questions in 5 sections: A, B, C, D, and E.
- iii. Q 1 to Q 4 in section A -MCQ carries **ONE** mark each. Write the correct answer along with the option in the answer script.
- iv. Q 5 to Q 7 in **section A** are Assertion and Reason type questions and carry **ONE** mark each.
- v. Q 8 to Q 10 in **section B** are Short Answer Type questions and carry **TWO** marks each.
- vi. Q 11 to Q 13 in **section C** are Short Answer Type questions and carry **THREE** marks each.
- vii. Q 14 in **section D** is a Long Answer Type Question and carries **FIVE** marks.
- viii. Q 15 in **section E** is a Case study/Paragraph question and carries **THREE** marks.
- ix. Write the same question number as given in the question paper.
- x. Whitener should not be used in the answer script.
- xi. Diagrams should be drawn using a pencil.

SECTION A (1X7=7)

1. Wheat is classified as a Rabi crop because:
 - a) It is grown in the rainy season.
 - b) It is harvested in the month of September.
 - c) It is grown in the winter season.
 - d) It requires a lot of water.
2. The given figure represents an agricultural tool. Which of the following functions is performed by this tool?
 - a) Sowing
 - b) Levelling
 - c) Harvesting
 - d) Threshing



3. The objects which shine in the light of other objects are called:
- a) Luminous objects.
 - b) Transparent objects.
 - c) Illuminated objects.
 - d) Translucent objects.
4. A sac-like structure in grass-eating animals, such as horses and rabbits, helps these animals digest cellulose. It is absent in humans, so humans cannot digest cellulose. What is the name of this structure, and what enables it to digest cellulose?
- a) Rumen: the presence of certain bacteria that are absent in humans.
 - b) Rumen: the presence of certain proteins that are absent in humans.
 - c) Caecum; the presence of certain bacteria that are absent in humans.
 - d) Caecum; the presence of certain proteins that are absent in humans.

For the following questions, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii), and (iv) as given below

- (i) Both A and R are true, and R is the correct explanation of the assertion.***
- (ii) Both A and R are true, but R is not the correct explanation of the assertion.***
- (iii) A is true but R is false.***
- (iv) A is false, but R is true***

5. **Assertion (A):** Water does not play any role in crop production.

Reason (R): Irrigation helps in crop productivity.

6. **Assertion (A):** Farmers have to add manure to the fields to replenish the soil with nutrients.

Reason (R): Continuous cultivation of crops makes the soil rich in nutrients.

7. **Assertion (A):** The image created by a plane mirror is virtual.

Reason (R): Virtual images can be formed on a screen.

SECTION B (2X3=6)

8. a) Define the term nutrition.

b) Name the following:

- i) The energy-giving nutrient:
- ii) The body building nutrient:

9. a) i) What is Animal husbandry?

ii) Briefly explain the different elements of Animal husbandry.

10. a) Why is it necessary to dry the harvested food grains before storage?

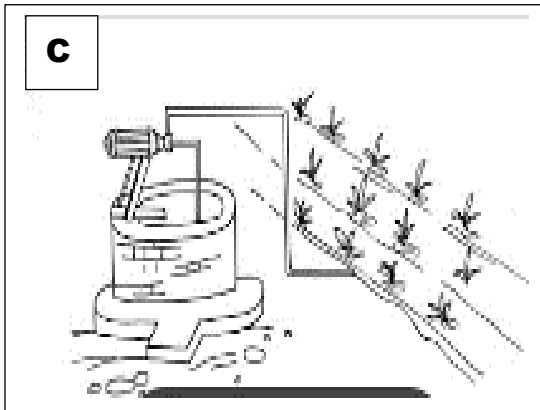
b) In a nursery, some plant saplings are kept in small bags. Why?

SECTION C (3X3=9)

11. a) Mention any two advantages of ploughing the field.

b) i) Refer to the pictures **C** and **D** given below and classify them as traditional/modern irrigation methods.

ii) Explain the method of irrigation shown in Figure C.



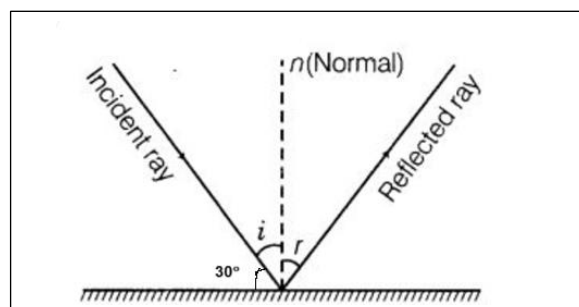
12. a) What is the role of the pseudopodium in the nutrition of amoeba?

b) i) What are villi?

ii) Mention its function in the process of digestion.

13. a) State the laws of reflection of light.

b) What will be the angle of reflection if the angle between the incident ray and the plane mirror is 30° as shown in the figure given below?



SECTION D (5X1=5)

14. a) What is meant by the reflection of light?
- b) Write the difference between regular and diffused reflection. Draw neat, labelled diagrams.
- c) Mention any four characteristics of the image formed by a plane mirror.

SECTION E (3X1=3)

15. Below is a conversation between two farmers, Heera and Beera.

Heera: Brother Beera, your maize crops look beautiful! They have grown quite fast.

Beera: Yes, I have added urea this time. What about you?

Heera: Well, I am still relying on good old cow dung. The excessive use of urea changes the chemical nature of the soil and makes it less fertile. It is also a source of water pollution. I am saving money to buy a tractor.

Beera: That's good. Modern agricultural implements save a lot of time and labour than traditional ones.

Heera: Yes, it's been very labour-intensive for me, and now these weeds have come up.

Beera: Try weedicides like 2,4, D, they are very effective. But while spraying weedicide, you should cover your mouth and nose as it can cause health hazards.

Now answer the following questions.

- i) Why should organic manure substitute fertilisers?
- ii) What is the advantage of modern agricultural implements over traditional ones?
- iii) Name one weedicide and the precaution farmers must take during its application.