



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 1

SUBJECT: SCIENCE

CLASS-VIII

APRIL'2025

CH 1: CROP PRODUCTION AND MANAGEMENT

Q1. Choose the correct option:

- i. The conversion of nitrogen into nitrates is known as:
(a) nitrogen fixation
(b) ammonification
(c) nitrogen cycle
(d) assimilation
- ii. Which of the following is not a rabi crop?
(a) wheat (b) potato (c) rice (d) mustard

Q2. In each of the following questions, two statements are given- one labeled Assertion (A) and the other labeled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

- a) Both A and R are true, and R is correct explanation of the assertion.
 - b) Both A and R are true, but R is not the correct explanation of the assertion.
 - c) A is true, but R is false.
 - d) Both assertion and reason are false.
- (i) Assertion: India's primary activity is agriculture.
Reason: Two thirds of its population is engaged in agricultural activities.
- (ii) Assertion: When a large number of plants are grown at the same place for food, it is called a crop.
Reason: Wheat is the most important cereal crop in the world, followed by rice and maize.

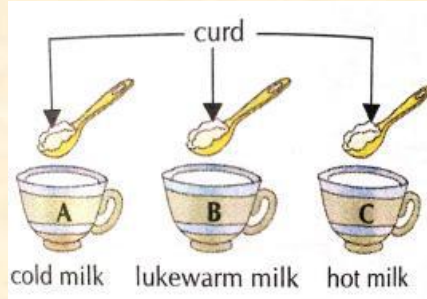
Q3. Answer the following questions:

1. Mention the major activities involved in growing a crop.
2. Why are pulses alternated with crops like wheat and rice?
3. (a) Name the tool used with a tractor for sowing seeds in a field.
(b) What are the advantages of using this tool?
4. How can nitrogen be replenished in soil naturally?
5. Define irrigation. Explain the two modern methods of irrigation with diagram.
6. Paddy is a major cereal crop in our country.
(a) In which season is paddy cultivated?
(b) What measures must be taken to prevent spoilage and insect attack of harvested grains?

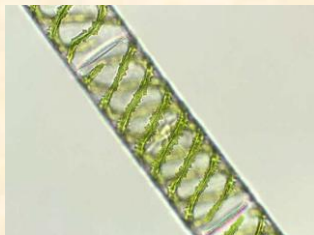
CH 2: MICROORGANISMS: FRIEND AND FOE

Q1. Choose the correct option:

- i. Curd is not formed in cup C because bacteria are _____.



- a) active b) inactive c) killed d) none of these
- ii. A disease in human beings caused by a virus is
a) Typhoid b) Influenza c) Dysentery d) Cholera
- Q2. In each of the following questions, two statements are given- one labeled Assertion (A) and the other labeled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:
- a) Both A and R are true, and R is correct explanation of the assertion.
b) Both A and R are true, but R is not the correct explanation of the assertion.
c) A is true, but R is false.
d) Both assertion and reason are false.
- (i) Assertion: Fungus yields penicillin.
Reason: Penicillin is an antibiotic.
- (ii) Assertion: The replenishment of soil with nutrients is done by some microorganisms.
Reason: Fungi and bacteria are common decomposers.
- Q3. Answer the following questions:
1. What are the major groups of microorganisms? Give two examples of each.
 2. Which organism makes the bread soft and fluffy. Explain
 3. How microorganisms increase fertility of soil?
 4. Explain various modes of food preservation.
 5. Observe the figure and answer the following questions.



- a) Name the microorganism and the group to which it belongs.
- b) What is the habitat of this microorganism?
- c) What mode of nutrition is found in it?
- d) Write one special feature of this microorganism.