



CREST
Olympiads
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CREST Science Olympiad (CSO) Worksheet *for*

Class 8



Topic

Crop Production and Management



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Worksheet on Crop Production and Management

1. In the following question, you will find an assertion and a reason. Select the appropriate option that applies.

Assertion: Storage is necessary to ensure a steady supply of food.

Reasoning: After harvesting, crops need to be properly stored to prevent spoilage, maintain their quality, and have a consistent food supply throughout the year, especially during times when crops cannot be grown.

- a. Both assertion and reason are true and reason is the correct explanation of assertion.
- b. Both assertion and reason are true and reason is not the correct explanation of assertion.
- c. Assertion is true but reason is false.
- d. Assertion is false but the reason is true.

2. Arrange the following steps in the proper sequence for crop production:

- i. Adding manure and fertilisers
- ii. Harvesting
- iii. Irrigation
- iv. Preparation of soil
- v. Protecting from weeds
- vi. Storage

- a. iv → vi → ii → iii → i → v
- b. iii → i → vi → iv → v → ii
- c. vi → iii → i → iv → v → ii
- d. v → ii → vi → iv → i → iii

3. Consider the following statements and choose the correct option:

- I. Dairy farming is a type of animal husbandry that focuses on the long-term production of meat from animals like cows and buffaloes.
- II. Poultry farming contributes to the economy by generating employment opportunities for people involved in animal care and processing.
- III. Animal husbandry plays a significant role in providing a steady supply of food products like milk, eggs, and meat.

- a. I: True, II: True, III: True
- b. I: False, II: True, III: True
- c. I: False, II: False, III: True
- d. I: True, II: True, III: False

4. Consider the following statements and choose the correct option:

Statement 1: Harvesting involves cutting and gathering matured crops.

Statement 2: Threshing is the process of separating grains from the chaff.

- a. Statement 1 is correct but statement 2 is incorrect.
- b. Statement 1 is incorrect but statement 2 is correct.
- c. Both statements are correct.
- d. Both statements are incorrect.

5. In a comparative study, a student wants to determine the difference in crop yield between using manure and synthetic fertilisers. Which of the following factors the student will have to manipulate in order to successfully carry out the experiment?

- a. Crop yield
- b. Type of crop
- c. Type of fertiliser
- d. Time of harvest



Answer Key

- a - Both assertion and reason are true, and the reason is the correct explanation of the assertion.

Assertion: The statement "Storage is necessary to ensure a steady supply of food" is true. After harvesting, crops need to be properly stored to prevent spoilage and maintain their quality.

Reasoning: The reason provided for the assertion is also true and explains why storage is necessary for crop production. Proper storage of harvested crops helps prevent them from getting spoiled by external factors like pests, rodents, or moisture. It also ensures that the nutritional value and quality of the crops are preserved, allowing us to have a reliable and consistent food supply even after the growing season.
- b - iii → i → vi → iv → v → ii
- b - I: False, II: True, III: True
- c - Both statements are correct.

Statement 1: Harvesting indeed involves cutting and gathering matured crops. When crops reach their full maturity, they are ready to be harvested, and farmers use appropriate tools or machines to cut and collect them.

Statement 2: Threshing is indeed the process of separating grains from the chaff. After harvesting, the grains are separated from the non-edible parts of the plant, known as chaff, through the process of threshing. This separation allows the grains to be collected and used as food.
- c - The student will have to manipulate the type of fertiliser (option c) in order to successfully carry out the experiment. The goal of the study is to compare the crop yield between using manure and synthetic fertilisers. By changing the type of fertiliser applied to the crops, the student can observe and measure the difference in crop yield.

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