

WINTER BREAK ASSIGNMENT OF CLASS IX [BIOLOGY] 2018-19

1. Write the differences between the following:
 - (i) Rabi crops and Kharif crops
 - (ii) Fertilizer and Manure
 - (iii) Drip system and Sprinkler system
2. Mention the important desirable agronomic characters which help in crop improvement.
3. Write down the six major factors for which we have to do crop improvement.
4. Write the major differences between macronutrient and micronutrient.
5. Write the differences between Green Manure and Compost.
6. Why we should shift from traditional method of agrochemical based agriculture to organic farming?
7. Name the organisms which help in vermicomposting and name its *phylum*.
8. Mention the different ways by which irrigation can be done.
9. Write the differences between intercropping, mixed cropping and crop rotation with examples.
10. Name 3 weeds which are harmful to the main crops.
11. What are weeds and how can they be removed?
12. Write the different strategies to store food grains to prevent loss of crops.
13. How insect pest attacks the plants and reduces the yield?
14. Name 2 different species of Indian cattle.
15. What are the differences between:
 - (i) Milch animal and Draught animals.

(ii) Layers and Broilers.

16. Name one disease of the following:

(i) Cattle

(ii) Poultry

17. Why Italian variety of honeybee is better than that of Indian variety?

18. What are the different conditions which will help in improving the quality of honey?

19. What is composite fish farming? Why is it beneficial?

20. Write two examples of:

(i) Marine fish

(ii) Fresh water fish

WINTER BREAK ASSIGNMENT CLASS XI [BIOLOGY] 2018-19

1. Write the sequence of glycolysis.

2. Where does glycolysis and TCA cycle occur?

3. Explain TCA cycle with the help of a diagram.

4. What is the difference between production of lactic acid and ethanol in living organisms. Comment on the type of reactions involved and write the complete equation.

5. What is the fate of Pyruvic acid which is formed by glycolysis in cytoplasm? Explain with equation.

6. How fats, carbohydrates and proteins are metabolized.

7. To create power point presentation of different topics as allotted.