



3. (a) Intercropping (b) Mixed cropping (c) Crop rotation (d) None of these  
Which of the following conditions will give the most benefits to the farmers?  
(a) Use of high quality seeds, fertilizers and no irrigation.  
(b) Use of high quality seeds, irrigation, use of fertilizers and crop protection measures.  
(c) Use of ordinary seeds, irrigation and use of fertilizers.  
(d) Use of high quality seeds, irrigation, excessive use of chemical fertilizers and crop protection measures.

4. Select the group that contains only micronutrients.  
(a) Sulphur, Molybdenum, Nitrogen (b) Zinc, Copper, Manganese  
(c) Oxygen, Iron, Potassium (d) Carbon, Chlorine, Nickel

5. Which of the following measures is/are necessary for proper storage of grains?  
(i) The go downs should be clean and free from garbage.  
(ii) The gunny bags used for storing grains should be clean, dry and fumigated.  
(iii) The grains should be semi-dry before storage.  
(iv) The grains should only be dried under a air dryer and not under the sun.  
(a) Only (i) (b) (i) and (ii) (c) (iii) and (iv) (d) Only (iv)

6. Apis cerana indica is commonly known as  
(a) Indian cow (b) Indian buffalo (c) Indian bee (d) Indian hen.

7. Select the correct statement(s) about concentrates that are added in cattle feed.  
(i) They are largely fibre.  
(ii) They are low in fibre and contain relatively high levels of proteins and other nutrients.  
(iii) They protect the cattle from major viral and bacterial diseases.  
(iv) They promote milk output in them.  
(a) Only (i) (b) Only (ii) (c) (i), (iii) and (iv) (d) (iii) and (iv)

8. Which of the following correctly defines mariculture?  
(a) Capturing fish from natural resources like rivers, sea, etc.  
(b) Culturing of fish and aquatic food in reservoirs, estuaries, etc.  
(c) Culturing of finned fishes (mullet), shellfish (prawn), mussels, oysters etc. as well as seaweed in marine water.  
(d) Culturing of fishes in marine water.

9. Which one is not a source of carbohydrate?  
(a) Rice (b) Millets (c) Sorghum (d) Gram

10. To solve the food problem of the country, which among the following is necessary?  
(a) Increased production and storage of food grains.  
(b) Easy access of people to the food grain.  
(c) People should have money to purchase the grains.  
(d) All of these

11. Weeds affect the crop plants by  
(a) killing of plants in field before they grow.  
(b) dominating the plants to grow.  
(c) competing for various resources of crops (plants) causing low availability of nutrients.  
(d) all of these

12. Find out the correct sentence about manure.  
(i) Manure contains large quantities of organic matter and small quantities of nutrients.  
(ii) It increases the water holding capacity of sandy soil.  
(iii) It helps in draining out of excess of water from clayey soil.  
(iv) Its excessive use pollutes environment because it is made of animal excretory waste.  
(a) (i) and (iii) (b) (i) and (ii) (c) (ii) and (iii) (d) (iii) and (iv)

13. Which of the following are Indian cattle?  
(i) Bos indicus (ii) Bos domestica (iii) Bos bubalis (iv) Bos vulgaris  
(a) (i) and (iii) (b) (i) and (ii) (c) (ii) and (iii) (d) (iii) and (iv)

14. Poultry fowls are susceptible to the following pathogens  
(a) Viruses (b) Bacteria (c) Fungi (d) All of these

**Assertion-Reason Codes:**

(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.  
(b) If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.  
(c) If Assertion is true but Reason is false.  
(d) If both Assertion and Reason are false.

15. Assertion : To replenish the lost nutrients in the soil, quick acting, handy nutrients are applied in the form of fertilizers.  
Reason : Chemical fertilizer contains the necessary plant nutrients

16. Assertion : Honey bees are nuisance to farmers.  
Reason : Bees destroy the crops to fulfil their nutritional requirements.

17. Assertion : Intercropping prevents pests.  
Reason : Plant pests can be controlled biologically by their natural parasites and pathogens.

18. Assertion : Usage of manure is advantageous for our environment.  
Reason : Manure contains chemical substances like nitrogen, phosphorus and potassium.