



12. Which practices reduce the external input usage on the farm?  
 a) LEISA c)DRIS  
 b) HEISA d) FIRBS
13. Cropping intensity means  
 a) % ratio of gross cropped area to net cropped area c) % ratio of number of crops in rotation to period of one rotation  
 b) % ratio of net cropped area to gross cropped area d) None
14. The basic principle of taking crop rotation is  
 a)To maintain the fertility status of soil c)To keep the weeds under control  
 b)To take higher returns per unit area of the soil d)To take higher crop yield
15. The addition of lime :  
 a) Reduces soil acidity c) Increases porosity of soil  
 b) Causes decomposition of organic material d) Will change soil texture
16. \_\_\_\_\_ include all forms of falling from atmosphere.  
 a) Evaporation c)transpiration  
 b) Precipitation d) vapour
17. \_\_\_\_\_ is an example of Crop rotation.  
 a) Rice – Wheat - Moong c) Maize + Greengram - Chickpea  
 b) Rice – Wheat + Chickpea d) All of the above
18. The most important green manure crop for salt affected soil is \_\_\_\_\_.  
 a) Dhaincha c)Sunhemp  
 b) Clusterbean d) Green gram
19. BGA fix atmospheric nitrogen in \_\_\_\_\_ field.  
 a) Wheat c)Jute  
 b) Rice d) Sun hemp
20. \_\_\_\_\_ is mechanical approach to weed control.  
 a) Moving c)Smother crop  
 b) Allelopathic plant d) Crop rotation

**Q.2 Do as Directed.**

**A. Define following (Any Five).**

- |                    |                      |     |
|--------------------|----------------------|-----|
| 1. IFS             | 5. Dry land          | (5) |
| 2. Organic farming | 6. Soil conservation |     |
| 3. Mix cropping    |                      |     |
| 4. Soil reaction   |                      |     |

**B. Answer the following. (Any Five)**

1. Enlist mechanical methods of soil conservations.
2. What is waste land?
3. What is marshy land?
4. Enlist types of batch terracing.
5. HEISA stand for:
6. Classify salt affected soil.

**Q.3 Write short notes. (Any five)**

1. Differentiate Organic farming vs. natural farming.
2. Why sustainable farming system?
3. Give scope of farming system.
4. Enlist the characters of dry land ecosystem.
5. How we can conserve energy resources?
6. Write classification of waste land given by NWDB.

**Q.4 Attempt any Three/Long Questions/Example**

1. Give key principle of organic farming.
2. Explain effect of high and low temperature on growth of plants.
3. Write short note on reclamation of salt affected soil.
4. Describe basic concept of LEISA.