I  Fill in the Blanks
1. The seed of rice is botanically a .................
2. The normal seed rate of wheat is .................
3. ........................................ is a mimicry weed of rice.
4. ........................................ is the toxic amino acid found in subābul.
5. A medicinal species of yam is ....................... 
6. ........................................ is a composite variety of maize.
7. Sorghum poisoning is due to the presence of ...........
8. ........................................ is a variety of colocasia suitable for Kerala.
9. Central Potato Research Institute is located in .......... 
10. ‘Prathyasa’ variety of rice was released from .............

II  Write Short notes on ANY FIVE of the following (5x2=10)
1. Types of wheat
2. Water management for rice
3. Systems of planting in tapioca
4. Pasture management
5. Types of rice nurseries
6. Planting material and planting in sweet potato
7. Fertilizer and irrigation management in sorghum

III  Answer ANY FIVE of the following (5x4=20)
1. Describe the System of Rice Intensification
2. Give an account of the post harvest technology for tapioca.
3. Narrate the production method of true potato seed (TPS).
4. Explain the importance of minor millets in agriculture. How can their production be increased in dry lands?
5. Give an account of the wheat growing regions of India.
6. Write a note on legume fodders.
7. Explain in detail package of practices for maize.

IV  Write an essay on ANY ONE of the following (1x10=10)
1. What is agrostology and what is its importance in livestock nutrition? Explain the package of practices for cultivation of Hybrid Napier.
2. Give an account of history of wheat improvement in India with emphasis on green revolution. What were the drawbacks of green revolution?