

Time Allowed : 3 Hours

If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining ones ignored.

Answers may be given either in English or in Bengali but all answers must be in one and the same language.

ANSWER ANY FIVE QUESTIONS.

1. a) Write down types of photosynthesis.
b) Write down the photosynthetic Pigments.
c) Discuss the characteristics of chlorophyll. 10+10+20
2. a) Write down the cultivation of Tea with special reference to climate, cultivation, training and pruning, plucking, and Tea manufacturing.
b) Discuss in details cultivation of Coffee. 20+20
3. a) Enumerate the cultivation of Banana mentioning varieties, propagation, manuring, after care, irrigation and harvesting.
b) Discuss in details cultivation of mango with reference to varieties, after care, harvesting and marketing. 20+20
4. a) Discuss the importance of vegetables.
b) Write down the types of vegetable garden.
c) Discuss the classification of vegetables. 10+15+15
5. a) Discuss the Importance of medicinal plants.
b) Write down the cultivation of Isobgol. 20+20
6. a) Write down the Importance of Spices in India.
b) Discuss in details cultivation of Pepper (Improved method). 20+20
7. a) Write down definition, nature and causes of diseases of crops.
b) Discuss about Seed-borne, Soil borne and air borne diseases of crops.
c) What do you mean by fungicides ? Write in brief different types of fungicides used for control of diseases of crops. 15+15+10
8. a) Critically discuss principles of Insect and Pest Control.
b) Write down the selection of proper methods for controlling different Pests. 20+20