Sample Question Paper – II
Agriculture (Theory)
Class XII (2016 – 17)

Time duration: 3 Hrs   **Maximum Marks: 70**

General instructions: 1) All questions are compulsory.
                            2) Marks of each question is indicated against it.

Q. No.	Question	Marks
1	State the Liebig's law of minimum.	1
2	What is post-harvest technology?	1
3	What is swarming in honey bee?	1
4	Why landscaping is beneficial in urban area?	1
5	Name one fungal disease of honey bee.	1
6	What are the differences between macronutrients and micronutrients?	2
7	Write any two criteria regarding an element as essential plant nutrients.	2
8	Justify the reason behind the use of thermal processing during food processing and preservation.	2
9	Packaging is an important consideration in food processing and value addition. Justify.	2
10	What is vermicomposting? Why is it recommended to be used in the fields?	2
11	a. What are the components of Insect Pest Management? b. Explain mechanical method of pest control. c. Explain biological pest control with two examples.	5
12	Summarize the function and deficiency symptoms of boron and molybdenum.	5
13	Pre cooling of the produce soon after their harvest is one of the important components of the cool chain, which ultimately affect the shelf life of the produce. List the various methods of pre-cooling and describe any two methods.	5
14	Explain the zero energy cool chamber. Explain its importance in rural areas.	5
15	a. Develop a plan to set up a nursery with an area of 0.2 ha. b. Identify the major problem associated with the packing, handling and marketing of plant sapling.	5
16	a. What is organic farming? b. What is organic certification? c. What are the Government policies promoting organic farming in India? d. Explain the important characteristics of organic farming.	10

17	a. Define cut flower b. Explain the factors which influence the longevity of cut flowers. c. Discuss the various ways to improve the post-harvest life and quality of cut flowers.	10
18	How can you plan button mushroom production taking into account the following factors? a. Agro-climatic requirement b. Varieties/ strains c. Casing d. Harvesting and yield e. Important pest and diseases	10