

# OLERICULTURE-II (763)

## Sample Question Paper

### Class XII - 2018-19

Time: 3 Hours

M.M.: 60

#### General Instructions:

1. Question paper is divided into two sections: Section-A and Section- B.
2. **Section–A:**
  - i. Multiple choice question/Fill in the blanks/Direct Questions of 1 mark each. Answer any 10 questions out of the given 12 questions.
  - ii. Very Short Answer of 2 marks each. Answer any 5 questions from the given 7 questions.
  - iii. Short Answer of 3 marks each. Answer any 5 questions from the given 7 questions.
3. **Section–B:** Long/Essay type questions of 5 marks each. Answer any 5 questions from the given 7 questions.
4. All questions of a particular section must be attempted in the correct order.
5. Please check that this question paper contains 33 questions out of which 25 questions are to be attempted.
6. The maximum time allowed is 3 hrs.

#### SECTION –A

#### Answer any 10 questions out of the given 12 questions:

1. A solanaceous vegetable is (1)
  - a. Bottle gourd
  - b. Brinjal
  - c. Bitter gourd
  - d. Broccoli
2. Early, high temperature maturing cauliflower is (1)
  - a. Pusa Snowball-1
  - b. Pusa Snowball K-1
  - c. Pusa Synthetic
  - d. Pusa Meghna
3. Black leg is a disease of (1)
  - a. Potato
  - b. Carrot
  - c. Peas
  - d. Cabbage
4. The isolation distance between two cabbage varieties for seed production (1)  
(in metres) is
  - a. 150 m
  - b. 300 m
  - c. 1000 m
  - d. 2000 m

5. The scientific name of cauliflower is (1)  
a. *Brassica italica*  
b. *Brassica chinensis*  
c. *Brassica oleracea var. capitata*
6. A rainy season vegetable is (1)  
a. Spinach (Palak)  
b. Broccoli  
c. Bottle gourd  
d. Chenopodium
7. Which of these is often cross-pollinated? (1)  
a. Tomato  
a. Carrot  
b. Bitter gourd  
c. Brinjal
8. Optimum tuberization temperature in potato is (1)  
a. 8 – 10°C  
b. 12 – 16°C  
c. 18 – 21°C  
d. 23 – 25°C
9. A single-seeded cucurbitaceous vegetable is (1)  
a. Tori  
b. Okra  
c. Chow Chow  
d. Shimla mirch (Capsicum)
10. 10 The scientific name of tori is (1)  
a. *Luffa cylindrica*  
b. *Citrullus vulgaris*  
c. *Cucumis melo*  
d. *Cucurbita pepo*
11. Most serious pest of brinjal (1)  
a. White fly  
b. Black fly  
c. Fruit fly  
d. Fruit borer.
12. Diamond back moth is a serious pest of (1)  
a. Cabbage  
b. Cauliflower  
c. Potato  
d. Tomato

**Very Short Questions: (2 marks each).**

**Answer any 5 questions out of the given 7 questions:**

13. Write planting distance of cabbage and cauliflower seedlings. (2)
14. Write two major diseases of potato. (2)
15. Write two major vegetables rich in vitamin A. (2)
16. Write scientific name of radish and potato. (2)
17. Two major disease of tomato. (2)
18. Write two major disorders of cauliflower. (2)
19. Name four Cucurbitaceous vegetables. (2)

**Short Questions: (3 marks each).**

Write short notes on any 5 out of the given 7:

20. Plant hormones (3)
21. Role of F1 hybrids in cabbage. (3)
22. Role of F1 hybrids in tomato (3)
23. Sprouting broccoli (3)
24. Nursery management (3)
25. Job opportunities in vegetable science (3)
26. Nutritional disorders in Vegetables (3)

**SECTION -B**

**Long/Essay type questions (5 marks each).**

**Answer any 5 questions out of the given 7 questions:**

27. Discuss the importance of vegetables in human diet. (5)
28. Discuss the cultivation of cauliflower. (5)
29. Write the importance of fertigation and the method of its adoption. (5)
30. Write the causes and control measures of different physiological disorders of cauliflower. (5)
31. How are genetic mechanisms available in cauliflower, cabbage and solanaceous crops used for hybrid seed production? (5)
32. Discuss major insect-pests and diseases of Solanaceous vegetables and their control measures. (5)
33. Discuss the cultivation of potato under the following heads: soil and climate, planting and seed rate, major diseases and their management. (5)