

D 94940

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER B.VOC. DEGREE EXAMINATION  
NOVEMBER 2020**

Organic Farming

SDC1AG02—FUNDAMENTALS OF HORTICULTURE

Time : Three Hours

Maximum : 80 Marks

(A) Very short objective answer questions (1 mark each) :

- 1 Fusion of male and female gametes to form zygote in plants is called \_\_\_\_\_.
- 2 When pollen is transferred from the anther of a flower to stigma of same flower, the type of pollination is \_\_\_\_\_.
- 3 Lifespan of \_\_\_\_\_ plant is an year or a season.
- 4 Temperature for hot water treatment of seeds to break dormancy is \_\_\_\_\_.
- 5 \_\_\_\_\_ covered greenhouse are expensive but they have long shelf-life.
- 6 Rabi season is also called \_\_\_\_\_ season.
- 7 T budding is also called \_\_\_\_\_ budding.
- 8 The branch of horticulture that deals with the scientific study of vegetable crop is known as \_\_\_\_\_.
- 9 \_\_\_\_\_ plants are neural to length of day and night.
- 10 In \_\_\_\_\_ system of planting, plant to plant and row to row distance is same.

(10 × 1 = 10 marks)

(B) Short answer questions. Answer any *eight* questions. (2 marks each) :

- 11 Define horticulture. List out the branches.
- 12 Define halophyte with example.
- 13 What is manuring ?
- 14 What is lag phase and log phase in growth curve ?
- 15 What are the process involved in maturity ?

Turn over

- 16 Define contour and terrace farming with example
- 17 List out the important qualities of good sites for constructing a nursery.
- 18 What is potting and repotting ?
- 19 What is stock scion relationship ?
- 20 What is alternate bearing ?
- 21 Define aggregate fruit with example.
- 22 What is a cold frame ?

(8 × 2 = 16 marks)

(C) Short Essay. Answer any *six* questions. (4 marks each) :

- 23 Importance and scope of horticulture in India.
- 24 Describe the methods of grafting.
- 25 Describe the factors associated with flowering and fruitset.
- 26 What is Unfruitfulness ? Discuss the factors affecting unfruitfulness.
- 27 Describe lath house and mist house.
- 28 Briefly describe graft incompatibility.
- 29 Explain Propagation by layering.
- 30 What are the advantages and disadvantages of asexual propagation ?
- 31 What is Photoperiodism ? Describe its classification based on duration required.

(6 × 4 = 24 marks)

(D) Essay. Answer any *two* questions. (15 marks each):

- 32 Write elaborate note on orchard management.
- 33 Describe all the steps involved in fruit set and development.
- 34 Describe about care and management of nursery.
- 35 Describe methods to test seed viability.

(2 × 15 = 30 marks)