

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Agriculture**

Semester	: III (New)	Term	: First	Academic Year	: 2022-23
Course No.	: HORT 232	Title	: Production Technology for Vegetables and Spices		
Credits	: 2(1+1)				
Day & Date	: Friday, 10.02.2023	Time	: 09:00 to 11:00 hrs.	Total Marks	: 40
<b>Note :</b> 1. Solve ANY EIGHT questions from SECTION 'A'. 2. All questions from SECTION 'B' are compulsory. 3. All questions carry equal marks. 4. Draw neat diagram wherever necessary.					

**SECTION 'A'**

- Q.1 Discuss the importance of vegetables and spices in human nutrition and national economy.
- Q.2 Describe in brief the cultivation practices of onion on the following points:
- Soil and climate
  - Improved varieties
  - Harvesting and yield
  - Curing
- Q.3 Discuss in detail cultivation of black pepper on the following aspects:
- Improved varieties
  - Propagation
  - Planting
  - Harvesting and yield
- Q.4 Write the commercial cultivation of cucumber on the following points:
- Soil and climate
  - Seed rate and spacing
  - Improved varieties
  - Harvesting and yield
- Q.5 Write in short the turmeric cultivation on the following points:
- Propagation and planting
  - Varieties
  - Harvesting and yield
  - Curing
- Q.6 Write the cultivation of okra on the following aspects:
- Soil and climate
  - Seed rate and spacing
  - Improved varieties
  - Harvesting and yield
- Q.7 Write in detail the cultivation of cinnamon regarding the following points:
- Climate and soil
  - Manures and fertilizers
  - Planting
  - Training and pruning
- Q.8 Write in detail the cultivation practices of tomato on the following aspects:
- Improved varieties
  - Manures and fertilizers
  - Harvesting and yield
  - Physiological disorders

(P.T.O.)

Q.9 Explain in detail the cultivation of small cardamom on the following aspects:

- |                        |                       |
|------------------------|-----------------------|
| a) Propagation         | b) Varieties          |
| c) Season and planting | d) Pests and diseases |

Q.10 Write short notes on (Any Two):

- a) Improved varieties, harvesting and yield of fenugreek
- b) Propagation and planting of kokum
- c) Multistoried cropping

#### SECTION 'B'

Q.11 Fill in the blanks:

- 1) The botanical name of cluster bean is \_\_\_\_\_.
- 2) Minimum isolation distance required for foundation seed production of tomato is \_\_\_\_\_m.
- 3) Pungency in garlic is due to\_\_\_\_\_.
- 4) \_\_\_\_\_ is an economical part of clove.

Q.12 State True or False:

- 1) All gourds are successfully transplanted.
- 2) Leafy vegetables are harvested after flowering.
- 3) Essential oil is obtained from spices, mainly by steam distillation method.
- 4) Indian Institute of Spices Research (IISR) is located in the state of Karnataka.

