

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester : III (New)	Term : I	Academic Year : 2019-20
Course No. : H/VS 232	Title : Tropical and Subtropical Vegetables	
Credits : 3 (2+1)	Time : 09.00 to 12.00	Total Marks : 80
Day & Date : Wednesday, 06.11.2019		

- Note :**
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 diagrams wherever necessary.

SECTION "A"

- Q.1 Describe the scope and importance of tropical and subtropical vegetables in India.
- Q.2 Give the classification of tropical and subtropical vegetables on different basis, Describe it in detail based on season of cultivation.
- Q.3 Write the cultivation of okra on the following points.
- a) Land preparation
 - b) Varieties
 - c) Intercultural operations
 - d) Post-harvest management
- Q.4 Enlist various types of vegetable farming and describe in detail any one of them.
- Q.5 Write short notes.
- a) Harvesting indices of muskmelon
 - b) Varieties of amaranthus
- Q.6 Explain in brief about capsicum with respect to following aspects.
- a) Soil and climate
 - b) Improved varieties
 - c) Intercultural operations
 - d) Post-harvest handling
- Q.7 Describe the cultivation of pumpkin on the following points.
- a) Soil and climate
 - b) Varieties
 - c) Seed rate and planting
 - d) Harvesting and yield
- Q.8 Describe the cultivation of cluster bean on the following points.
- a) Varieties
 - b) Seed rate and sowing time
 - c) Manures and fertilizers
 - d) Harvesting and yield
- Q.9 Write in brief about drumstick on the following aspects.
- a) Soil and climate
 - b) Propagation and planning
 - c) Varieties
 - d) Harvesting and yield

(P.T.O.)

Q.10 Furnish the information in tabular form.

Sr. No.	Crop	Botanical name	Family	Seed rate (kg/ha)	Yield (t/ha)
1	Ridge gourd				
2	Bottle gourd				

SECTION "B"

Q.11 Fill in the blanks.

- 1) Carotene is a precursor of vitamin_____.
- 2) In brinjal the maximum fruit setting occurs in _____ styled flowers.
- 3) Pungency in chilli is due to_____.
- 4) Botanical name of dolichos bean is _____.
- 5) Sugar baby is a variety of _____.
- 6) The full form of NAA is _____.
- 7) Red colour of tomato is due to the presence of _____ pigment.
- 8) India is the _____ largest vegetable producer in the world.

Q.12 Match the following pairs.

'A'

- 1) Summer squash
- 2) Cowpea
- 3) Coriander
- 4) Pointed gourd
- 5) Curry leaf
- 6) Mustard
- 7) Basella
- 8) Agathi

'B'

- a) *Murraya koenigi spreng*
- b) *Cucurbita pepo* L.
- c) *Trichosanthes dioica*
- d) *Brassica spp.*L.
- e) *Sesbania grandiflora*
- f) *Vigna unguiculata* L.
- g) *Coriandrum sativum*
- h) *Basella alba*

