

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION
B.Sc.(Hons.) Horticulture

Semester	: III (New)	Term	: First	Academic Year	: 2022-23
Course No.	: H/VS 232	Title	: Tropical and Subtropical Vegetables		
Credits	: 3(2+1)				
Day & Date	: Friday, 03.02.2023	Time	: 9:00 to 12:00 hrs.	Total Marks	: 80

- 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 diagram wherever necessary.

SECTION 'A'

- Q.1 Write the scope and importance of tropical and subtropical vegetables in India.
- Q.2 Write in brief the cultivation of cowpea on the following points:
- a) Soil and climate
 - b) Varieties
 - c) Seed rate and sowing time
 - d) Harvesting and yield
- Q.3 Write in short about cucumber on the following points:
- a) Varieties
 - b) Planting
 - c) Sex expression and sex ratio
 - d) Harvesting and yield
- Q.4 Enlist various types of vegetable farming. Explain in brief about market gardening.
- Q.5 Write short notes on (Any Two):
- a) Bower system of training in bottle gourd
 - b) Physiological disorders in tomato
 - c) Importance and uses of drumstick
- Q.6 Explain in brief about brinjal with respect to the following aspects:
- a) Improved varieties
 - b) Hardening of seedlings
 - c) Flowering and fruit setting
 - d) Harvesting and yield
- Q.7 Describe the cultivation of fenugreek on the following points:
- a) Soil and climate
 - b) Varieties
 - c) Seed rate and sowing
 - d) Harvesting and yield
- Q.8 Describe the cultivation of curry leaf on the following points:
- a) Soil and climate
 - b) Propagation
 - c) Manures and fertilizers
 - d) Harvesting and yield
- Q.9 Write in short about cultivation practices of watermelon.
- Q.10 Furnish the information in the following tabular form:

Sr.No.	Crop	Botanical name	Varieties	Seed rate (kg/ha)	Yield (t/ha)
1.	Bitter gourd				
2.	Sponge gourd				

(P.T.O.)

SECTION 'B'

Q.11 Fill in the blanks:

- 1) The botanical name of basella is _____.
- 2) Yellow Vein Mosaic is the serious disease of _____ crop.
- 3) Green pods of cluster bean are a rich source of _____.
- 4) Portulaca belongs to the family _____.
- 5) *Sesbania grandiflora* is the botanical name of _____ crop.
- 6) The full form of GA₃ is _____.
- 7) India is currently the _____ largest vegetable producer in the world.
- 8) Purple colour in brinjal is due to _____ pigment.

Q.12 Match the pairs:

'A'

'B'

- | | |
|------------------|----------------------|
| 1) Chilli | a) Pusa Makhmali |
| 2) Dolichos bean | b) Pusa Jwala |
| 3) Okra | c) California Wonder |
| 4) Bottle gourd | d) Arka Chandan |
| 5) Capsicum | e) Konkan Bhushan |
| 6) Pumpkin | f) Swarna Rekha |
| 7) Little gourd | g) Pusa Meghdoot |
| 8) Pointed gourd | h) Sulabha |

