

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: II (New)	Term	: Second	Academic Year	: 2021-22
Course No.	: H/VS 121	Title	: Potato and Tuber Crops		
Credits	: 2 (1+1)				
Day & Date	: Thursday, 15.09.2022	Time	: 9:00 to 11:00 hrs	Total Marks	: 40

- 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 Describe about potato with respect to the following aspects:
- a) Nutritive value and uses
 - b) Soil and climatic requirement
 - c) Improved varieties
 - d) Harvesting and yield
- Q.2 Explain in brief about sweet potato on the following points:
- a) Area and production
 - b) Propagation
 - c) Use of PGRs
 - d) Post harvest management
- Q.3 Discuss in short about scope and importance of potato and tuber crops.
- Q.4 Describe the cultivation of cassava on the following points:
- a) Soil and climate
 - b) Land preparation and planting
 - c) Harvesting and yield
 - d) Post harvest handling
- Q.5 Describe the cultivation of colocassia on the following points:
- a) Soil and climate
 - b) Propagation and planting
 - c) Varieties
 - d) Harvesting and yield
- Q.6 Write short notes on (Any Two):
- a) Seed plot technique in potato
 - b) Value addition of cassava tubers
 - c) Turning of vines in sweet potato
- Q.7 Describe the cultivation of lesser yam with respect to the following points:
- a) Soil and climate
 - b) Method and time of planting
 - c) Intercultural operations
 - d) Harvesting and yield
- Q.8 Describe in detail about the cultivation practices of *Amorphophallus*.

(P.T.O.)

Q.9 Write in brief about Chinese potato on the following aspects:

a) Soil and climate

b) Varieties

c) Nursery raising

d) Harvesting and yield

Q.10 Give the information in tabular form:

Sr. No.	Name of crop	Botanical Name	Family	Propagation	Yield (t/ha)
1.	Aerial yam				
2.	Greater yam				

SECTION 'B'

Q.11 Fill in the blanks:

1) Konkan Haritparni is an improved variety of _____.

2) Tubers are enlarged portions of underground _____.

3) *Dioscorea esculenta* is the botanical name of _____.

4) Elephant foot yam is also known as _____.

Q.12 Match the pairs:

'A'

1) Yam Bean

2) Xanthosoma

3) Jerusalem Artichoke

4) Arrow Root

'B'

a) Marantaceae

b) Asteraceae

c) Araceae

d) Fabaceae

