

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

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|-----------------------------------|--------------------------------|-------------------------|
| 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

