MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: **VI (New)**	Term	: **Second**	Academic Year	: **2022-23**
Course No.	: **H/VS 367**	Title	: **Seed Production of Vegetables, Tuber and Spice Crops**		
Credits	: **3 (2+1)**				
Day & Date	: **Tuesday, 04.07.2023**	Time	: **14:00 to 17:00 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 in detail the seed production of Brinjal on the following points:

a) Seed sowing and Transplanting
b) Varieties
c) Seed standards
d) Harvesting and Seed yield

Q.2 Define seed and explain in detail different classes of seed.

Q.3 Write in detail the seed production of Cauliflower on the following points:

a) Methods of seed production
b) Soil and Climate
c) Rouging
d) Harvesting and Storage

Q.4 Write short notes on (Any Two):

a) Climatic factors affecting vegetable seed production
b) Isolation distance and rouging in Palak seed production
c) Isolation distance and rouging in French bean seed production

Q.5 Define seed germination and seed viability. Write in brief about seed testing.

Q.6 Enlist agronomic principles of seed production and write in brief genetic principles of vegetable seed production.

Q.7 Write in detail the seed production of Onion on the following points:

a) Methods of seed production
b) Varieties
c) Isolation distance
d) Harvesting and Storage of seed

Q.8 Define seed extraction and write in brief methods of seed extraction.

Q.9 Explain different steps in seed production of Coriander.

Q.10 Write in detail the seed production of Pumpkin on the following points:

a) Land requirement and Climate
b) Planting time
c) Isolation distance and Rouging
d) Seed extraction and Seed storage

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SECTION 'B'

Q.11 Fill in the blanks:

1) International Seed Testing Association (ISTA) was established in the year _____.
2) The Protection of Plant Varieties and Farmers Right Bill was formulated in the year_____.
3) 'White Vienna' is a variety of _____crop.
4) The botanical name of Bitter gourd is_____.
5) Seed rate of Chilli is _____kg/ha.
6) Carrot belongs to the family _____.
7) Central Potato Research Institute is located at_____.
8) Dehaulming is important operation in _____crop.

Q.12 State True or False:

1) Isolation distance for certified seed production of Cucumber is 200 m.
2) Curing is the process of drying to remove the excess moisture in Garlic crop.
3) Amaranthus is self pollinated crop.
4) 'Phule Arjun' is a hybrid of Tomato.
5) In root type of vegetables, European types produce seeds only under temperate climate.
6) Self incompatibility is observed in cole crops.
7) 'Konkan Durangi' is a variety of Dolichos bean.
8) Head to seed method of seed production is suitable for nucleus seed production in cole crop.

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