MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hort.)

Semester	: VI (Old)	**Term**	: II	**Academic Year**	: 2018-19
Course No.	: H/VS 364				
Credits	: 3 (2+1)	**Title**	: Seed Production in Vegetable Crops		
Day & Date	: Thursday, 02.05.2019	**Time**	: 14.00 to 17.00	**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 diagrams wherever necessary.

SECTION "A"

Q.1 Define seed. Describe in brief the importance and scope of vegetable seed production in India.

Q.2 Write seed production of cabbage on following aspects.

a) Land requirement
b) Varieties
c) Methods of seed production
d) Harvesting and yield

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

a) Varieties
b) Transplanting
c) Field inspections
d) Field standards

Q.4 Discuss in short about principles of vegetable seed production.

Q.5 Write short notes (Any Two).

a) Roughing
b) History of seed production
c) Certified seed

Q.6 Write about seed production of watermelon with respect to following points.

a) Land requirement
b) Varieties
c) Seed rate and planting
d) Seed extraction and yield

Q.7 Write field and seed standards for following crops.

a) Fenugreek
b) Amaranthus

Q.8 Write about field inspections of following crops.

a) Pea
b) Carrot
c) Okra
d) Onion

Q.9 Enlist different methods of seed drying. Explain in detail any one.

Q.10 Explain different steps in seed production of garlic.

(P.T.O.)

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SECTION "B"

Q.11 Define the following terms.

1) Volunteer plants
2) Seed viability
3) Fertilization
4) Dichogamy
5) Isolation
6) Emasculation
7) Genetic purity
8) Nucleus seed

Q.12 Match the following pairs.

'A'	'B'
1) Cowpea	a) Seed extraction in tomato
2) Ridge gourd	b) National Seed Corporation - h
3) Cucumber	c) Captan - 7
4) NSC	d) Germination test
5) Acid method	e) Golden yellow tag
6) Paper towel method	f) Pusa phalguni
7) Seed treatment	g) Pusa sanyog
8) Breeder seed	h) Satputiya

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