



K17P 0367

Reg. No. : .....

Name : .....

**Fourth Semester M.Sc. Degree (Reg./Suppl./Imp.)**

**Examination, March 2017**

**(2014 Admission Onwards)**

**BOTANY**

**BOT4E05 : Seed Technology**

Time : 3 Hours

Max. Marks : 60

I. Answer **any two** of the following :

(2×8=16)

1) Give an account on the seed testing procedures.

OR

2) Explain in detail the morphology and anatomy of seed.

3) Describe the seed production in self pollinated and cross pollinated crops.

OR

4) With suitable examples describe the National Seed Programme.

II. Answer **any two** of the following :

(2×6=12)

5) a) Prescription.

1

b) Sampling type of samples.

3

c) Seedling evaluation.

2

6) a) Germplasm.

1

b) Life span of varieties.

3

c) Deterioration of seed

2

7) a) Seed maturation.

1

b) Food reserves.

2

c) Factors affecting germination.

3

P.T.O.



(6x3=18)

III. Answer **any six** of the following :

- 8) Seed technology
- 9) Storage seed purity
- 10) Seed moisture content
- 11) Seed coat character
- 12) Exomorphic
- 13) Maintenance of lines
- 14) Methods of storage
- 15) Seed rules.

(7x2=14)

IV. Answer **any seven** of the following :

- 16) Field inspection
- 17) Reserve mobilization
- 18) Food reserves
- 19) Life span of seed
- 20) Seed deterioration
- 21) Seed coat identification
- 22) Classification of seed
- 23) Seed germination test
- 24) Physical purity
- 25) Sampling types.