



K18P 0278

Reg. No. : .....

Name : .....

**Fourth Semester M.Sc. Degree (Reg./Suppl./Imp.) Examination, March 2018  
(2014 Admission Onwards)  
BOTANY  
BOT 4E05 : Seed Technology**

Time : 3 Hours

Max. Marks : 60

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

(2×8=16)

1) Write an account of history of seed technology and seed testing in India.

OR

2) Describe the procedure involved in purity analysis.

3) Explain different steps of hybrid seed production.

OR

4) Discuss physiology of seed germination.

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

(2×6=12)

5) a) Relative humidity.

b) Seed drying.

c) Determination of seed moisture contents.

6) a) Farmers seed.

b) Seed harvesting and separation.

c) Cleaning and upgrading.

7) a) ISTA.

b) National Seed Corporation.

c) Seed industries in India.

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

(6×3=18)

- 8) Classification of seeds.
- 9) Sampling methods.
- 10) Seedling evaluation.
- 11) Seedling vigour.
- 12) Storage carbohydrates.
- 13) Seed rules (1968).
- 14) Methods of seed storage.
- 15) Germination inhibitors.

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

(7×2=14)

- 16) Roll towel method.
- 17) Seed Certification Agency.
- 18) Quarantine.
- 19) Seed longevity.
- 20) Hydrolases.
- 21) Seed industry.
- 22) Germplasm.
- 23) Testa.
- 24) Seed divider.
- 25) Field inspection.