



K19P 0062

Reg. No. :

Name :

IV Semester M.Sc. Degree (Reg./Suppl./Imp.)
Examination, April 2019
(2014 Admission Onwards)
BOTANY
BOT4E05 : Seed Technology

Time : 3 Hours

Max. Marks : 60

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

(2×8=16)

1) Write an account on seed germination and viability.

OR

2) Describe the process of seed cleaning and grading.

3) Explain the physiology of mobilization of stored carbohydrates during germination.

OR

4) Write on the concept and minimum seed certification standards.

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

(2×6=12)

5) a) Seed testing

1

b) Methods of seed testing

2

c) Importance of seed testing in Agriculture.

3

6) a) Seed coat

1

b) Structure of seed coat

2

c) Classification of seed based on seed coat character.

3

7) a) Seed maturation

1

b) Food reserves

2

c) Factors affecting germination.

3

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

(6×3=18)

- 8) Prescription
- 9) Deterioration of seed
- 10) Seedling evaluation
- 11) Sampling techniques
- 12) Storage proteins
- 13) Seed rules (1968)
- 14) National seed programme
- 15) Farmers seed.

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

(7×2=14)

- 16) NBPGRI
- 17) Seed Certification Agency
- 18) Pure line seeds
- 19) Seed longevity
- 20) Adulterants
- 21) Seed industry
- 22) Quarantine
- 23) Immature embryo
- 24) Harvesting
- 25) Phytins.