



K20P 0063

Reg. No. :

Name :

IV Semester M.Sc. Degree (CBSS – Reg./Suppl./Imp.)
Examination, April 2020
(2014 Admission Onwards)
BOTANY
BOT4E05 : Seed Technology

Time : 3 Hours

Max. Marks : 60

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

(2×8=16)

1) Explain the methods to determine moisture contents.

OR

2) Describe the seed production of cross pollinated crops.

3) Describe the methods of seed storage.

OR

4) Explain the factors affecting seed germination.

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

(2×6=12)

5) a) Exomorphic characters.

b) Traditional methods of seed storage.

c) Genetic purity.

6) a) Mobilization of fats.

b) Limitation of seed rules (1968).

c) Seed structure of Maize.

7) a) State seed corporation.

b) Seed sampling.

c) Seed longevity.

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

(6×3=18)

- 8) ISTA.
- 9) Agenesis involved in supply of quality seeds.
- 10) Classification of seed.
- 11) Life span of seed.
- 12) Mobilization of carbohydrates.
- 13) Control of seed deterioration in storage.
- 14) Types of seed dormancy.
- 15) Cryopreservation.

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

(7×2=14)

- 16) Factors affecting longevity of seed.
- 17) Breeders seed.
- 18) Seed sampling equipment.
- 19) Internal morphology of seed.
- 20) Physical purity.
- 21) Methods to determine seed moisture.
- 22) Recommendation of ISTA.
- 23) Food reserves.
- 24) Development of seed certification in India
- 25) Seed harvesting.
- 26) Paul Neergard.