

K22P 3263

Reg. No. :

Name :

IV Semester M.Sc. Degree (CBSS – Reg./Supple/Imp.) Examination, April 2022
(2018 Admission Onwards)
BOTANY
BOT 4E 05 : Seed Technology

Time : 3 Hours

Max. Marks : 60

I. Answer **any two** of the following. (2×8=16)

- 1) Explain different methods of moisture determination.
OR
- 2) Describe the procedure involved in hybrid seed production.
- 3) Discuss factors affecting germination.

OR

- 4) Write a general account on seed inspection.

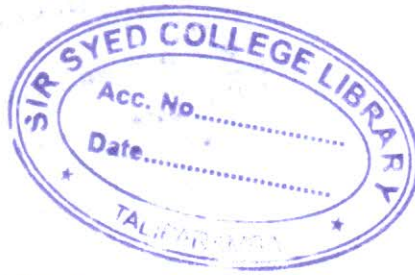
II. Answer **any two** of the following. (2×6=12)

- 5) a) Random sampling. 1
- b) Sample size. 2
- c) Sampling techniques. 3
- 6) a) Mudi. 1
- b) Seed deterioration. 2
- c) Relation between moisture and storage. 3
- 7) a) Dormancy. 1
- b) Reasons for dormancy. 2
- c) Breaking of dormancy. 3

III. Answer **any six** of the following. (6×3=18)

- 8) Purity analysis.
- 9) Growing on test.
- 10) Exomorphic characters.

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- 11) Maintenance of inbred lines.
- 12) Seed maturation.
- 13) Seed certification.
- 14) The Seed Act of India (1996).
- 15) Stored fats.

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

(7×2=14)

- 16) ISTA.
- 17) Life span of seed.
- 18) Orthodox seed.
- 19) Phytins.
- 20) Alpha amylase.
- 21) National Seed Corporation.
- 22) Seed longevity.
- 23) Seed coat identification.
- 24) Seed quality.
- 25) Breeder seeds.