

Roll No.

Total No. of Pages : 02

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B.Sc. (Hons.) (Agriculture) (Sem.-4)
PRINCIPLES OF SEED TECHNOLOGY

Subject Code : BSAG-406

M.Code : 72758

Date of Examination : 06-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write short notes on :

- a) Seed quality
- b) Field standards
- c) State seed certification agency
- d) Plant Breeder's Rights
- e) Central seed committee
- f) Seed processing plant
- g) Seed drying
- h) Importance of seed treatment
- i) Seed storage principles
- j) Seed Technology.

SECTION-B

2. Describe the factors responsible for deterioration of crop varieties. How these can be minimized during seed production to maintain the genetic purity?
3. Describe the role and importance of field inspection and field count in a seed production programme.
4. Describe in detail the role of central seed committee and central seed certification board.
5. Explain seed marketing. Describe various factors affecting the seed sale.
6. Write down the importance of packaging, labeling and storage in a seed programme.

SECTION-C

7. Describe nucleus seed? Write down the importance of production and maintenance of nucleus seed in a seed production programme. Write in detail about Indian generation system of seed production and its importance.
8. Explain in detail the role of Seed Act in reference to seed certification procedures. How it helps to regulate the quality of seed?
9. What is Seed Storage? Describe the importance of Seed Storage in a seed programme. What are the ideal conditions for good seed storage of field and vegetable crops? How seed storage can be done successfully in hot and humid climatic conditions with minimum available infrastructure?

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.