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Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Agriculture) (Sem.-5)
PRINCIPLES OF SEED TECHNOLOGY
Subject Code : BVAG-501-18
M.Code : 78408
Date of Examination : 01-06-2023

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 briefly :
 - a) Types of seed treatment
 - b) Establishing of seed testing laboratory
 - c) General principles of seed storage
 - d) Seed control order
 - e) Grow out test
 - f) Seed packing and storage
 - g) Seed certification
 - h) Foundation seed
 - i) Plant Breeder's Rights under PPV & FRA
 - j) Principles of 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. Discuss the duties and powers of seed inspectors. How seed inspectors help in maintaining quality of the seed available in market?
4. Describe the role of isolation distance in seed production. Can space isolation be replaced by time isolation in a seed programme?
5. Describe the factors affecting seed longevity storage. Elaborate the conditions best suited for good storage of carry over seed.
6. Give in detail the importance of seed grading, seed treatment and seed storage in a seed programme.

SECTION - C

7. Define the term 'Physical Purity'. How it is different from Genetic Purity? Discuss in detail the steps involved to maintain the genetic purity during seed production.
8. Write down in detail the different classes of seed in Indian generation system of seed production. Explain in detail the certified seed production in hybrid sunflower and hybrid chilli.
9. Define and explain the term 'Seed Marketing'. How demand of seed can be forecasted? Discuss in detail the various factors affecting seed marketing.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.