

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Voc. (Agriculture) (Sem.-5)

**PRINCIPLES OF SEED TECHNOLOGY**

Subject Code : BVAG-501-18

M.Code : 78408

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION 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 has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

**SECTION-A**

**Write short notes on :**

- 1) Seed Technology
- 2) IPRs
- 3) WTO
- 4) PBRs
- 5) GOT
- 6) Plant value of seed
- 7) Quality seed
- 8) Pollen Shedders
- 9) Off types
- 10) UPOV

## SECTION-B

- 11) Differentiate between : Field inspection vs. seed inspection
- 12) Differentiate between : Seed control order vs. seed act
- 13) Differentiate between : Central seed committee vs. Central seed certification board
- 14) What do you understand from seed processing? List various steps of establishing seed processing plant.
- 15) Why varietal identification is so important? How electrophoresis method is used to do it?

## SECTION-C

- 16) a) What are different classes of seed? Explain the characteristics of each class.  
b) Give hybrid seed production procedure in maize.
- 17) a) What is seed storage methods and procedures? List various stages of seed storage.  
b) What are the various factors affecting the seed longevity? List measures for pest and disease control during seed storage.
- 18) a) What is seed certification, elaborate the procedure of seed certification.  
b) What is seed treatment and its significance? What are its types and how is it done?

**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.**