

AU-168

**B.Sc. (Part—III) Semester—VI Examination****SEED TECHNOLOGY (VOC.)****(Seed Processing Farm Management and Marketing)**

Time : Three Hours]

[Maximum Marks : 80

- N.B. :—** (1) All questions are compulsory.  
 (2) Draw well labelled diagrams wherever necessary.

1. (A) Fill in the blanks :

- (i) A plant in a place where it is nuisance might be considered as \_\_\_\_\_.  $\frac{1}{2}$   
 (ii) \_\_\_\_\_ is an upgrading machine which makes the separation on the basis of length differences.  $\frac{1}{2}$   
 (iii) \_\_\_\_\_ is the removal of moisture at which the rate of deterioration is slowed down in seed.  $\frac{1}{2}$   
 (iv) \_\_\_\_\_ is the suspension of wettable powder of fungicide, insecticide in water.  $\frac{1}{2}$

(B) Choose the correct alternatives (MCQ) :

- (v) \_\_\_\_\_ is the process of filling seed, weighing and sewing bags.  $\frac{1}{2}$   
 (a) Chemical treatment (b) Packaging  
 (c) Harvesting (d) None
- (vi) \_\_\_\_\_ determine the seed farm business.  $\frac{1}{2}$   
 (a) Seed pricing (b) Farm labours  
 (c) Seed processing (d) None
- (vii) \_\_\_\_\_ temperature is very effective in maintaining seed quality.  $\frac{1}{2}$   
 (a) Low (b) High  
 (c) Both (d) None
- (viii) \_\_\_\_\_ play important role for soil drying.  $\frac{1}{2}$   
 (a) Watering (b) Dehumidification  
 (c) Stacking (d) None

(C) Answer in **one** sentence each :

- |  |   |
|--|---|
| (ix) What is seed drying ?                         | 1 |
| (x) What is the function of elevator ?             | 1 |
| (xi) What is heat injury to seeds ?                | 1 |
| (xii) What is important in deciding seed pricing ? | 1 |

2. Describe in brief specific gravity separators. 12

**OR**

Describe in brief importance of moisture content in seeds, give different methods of moisture measurement in seeds. 12

3. Explain :

- |  |   |
|--|---|
| (a) Labelling of treated seeds.              | 4 |
| (b) Importance of seed treatment equipments. | 4 |
| (c) Cleaning of roll mills.                  | 4 |

**OR**

- |   |   |
|---|---|
| (d) Storage of treated seeds.                 | 4 |
| (e) Site selection for seed processing plant. | 4 |
| (f) Seed conveyors.                           | 4 |

4. Describe in brief construction of seed storage. 12

**OR**

Explain :

- |  |   |
|--|---|
| (a) Packaging of seeds.                    | 6 |
| (b) Maintenance of seed processing record. | 6 |

5. Comment on :

- |  |   |
|--|---|
| (a) Decision making operations.                | 4 |
| (b) Basic principles of field farm management. | 4 |
| (c) Opportunity cost.                          | 4 |

**OR**

- |  |   |
|--|---|
| (d) Cost and capital investment.                     | 4 |
| (e) Law of diminishing returns.                      | 4 |
| (f) Most profitable combination of input and output. | 4 |

6. Explain :

- (a) Determination of field capacity. 4
- (b) Importance of maintenance of soil fertility. 4
- (c) Multiple cropping system. 4

**OR**

- (d) Advantages of mixed cropping. 4
- (e) Importance of tillage. 4
- (f) Weeds and their control. 4

7. Comment on :

- (a) Seed market of India. 4
- (b) Benefits of survey of seed markets. 4
- (c) Importance of record keeping. 4

**OR**

- (d) Factors affecting profit and economic size of farm. 4
- (e) Management of land labour. 4
- (f) Farm budgeting. 4

