

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 carry equal marks.

(2) Draw well labelled diagrams wherever necessary.

1. (A) Fill in the blanks :—

(i) _____ is lowering down the seed moisture content to safe moisture limit. $\frac{1}{2}$ (ii) The main purpose of _____ is to maintain the seed in good physiological condition. $\frac{1}{2}$ (iii) _____ content of seed sample is the loss in weight when it is dried. $\frac{1}{2}$ (iv) The key to success in seed _____ is the establishment of effective channel of distribution. $\frac{1}{2}$

(B) Choose the correct alternatives (MCQ) :—

(i) The seed production costs must be kept as _____ as possible.

(a) High

(b) Low

(c) Medium

(d) None $\frac{1}{2}$

(ii) Warehouse should have no windows and have only _____ door constructed of metal.

(a) Two

(b) Three

(c) One

(d) None $\frac{1}{2}$

(iii) A minor disadvantage of Bucket elevator is its requirement of _____ floor space.

(a) Smaller

(b) Greater

(c) Both

(d) None $\frac{1}{2}$

(iv) _____ in one percent moisture content nearly doubles storage potential of seed.

(a) Increase

(b) Decrease

(c) Both

(d) None $\frac{1}{2}$

(C) Answer in **ONE** sentence each :—

- | | |
|-------------------------------|---|
| (i) What is bagger weigher ? | 1 |
| (ii) What is Breeder's seed ? | 1 |
| (iii) What is Coneyors ? | 1 |
| (iv) What is Slurry ? | 1 |

2. Explain :—

- | | |
|--|---|
| (a) Advantages of seed drainage. | 4 |
| (b) Specific Gravity Separator. | 4 |
| (c) Method of seed moisture measurement. | 4 |

OR

- | | |
|---|---|
| (d) Importance of seed drying. | 4 |
| (e) Adjustment of intentented disc separator. | 4 |
| (f) Advantages of moisture content in seeds. | 4 |

3. Explain in brief working of roll mill. 12

OR

Explain :—

- | | |
|-----------------------------------|---|
| (a) Slurry treater | 6 |
| (b) Seed Conveyors and elevators. | 6 |

4. Comment on :—

- | | |
|---|---|
| (g) Bager weigher. | 4 |
| (h) Importance of seed processing records. | 4 |
| (i) Moisture and heat proofing of seed storage. | 4 |

OR

- | | |
|---|---|
| (j) Seed pellets. | 4 |
| (k) Management of seed storage. | 4 |
| (l) Labelling and maintaining lot identity. | 4 |

5. Describe in brief scope and basic principles in farm management. 12

OR

Explain :—

(a) Decision making based on cost and capital investment. 6

(b) Most profitable combination of input and output. 6

6. Explain the following :—

(m) Dry land farming. 4

(n) Consideration in farm building. 4

(o) Determination of field capacity and field efficiency. 4

OR

(p) Importance of weed control. 4

(q) Tillage. 4

(r) Maintenance of soil fertility. 4

7. Comment on :—

(s) Analysis of farm business. 4

(t) Importance of Survey of seed market. 4

(u) Management of Land labour. 4

OR

(v) Procedure and use of farm budgeting. 4

(w) Pricing of certified seeds. 4

(x) Factors affecting profit and economic size of farm. 4

