

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

Time : Three Hours]

[Maximum Marks : 80

- Note** :— (1) All questions are compulsory.
(2) Q. No. 2 to Q. No. 7 carry equal marks.

1. (a) Fill in the blanks :
- (i) The object of seed storage is to maintain seed in good _____ condition. ½
 - (ii) _____ is removal of moisture from seeds. ½
 - (iii) _____ sample is a reduced sample taken from the submitted sample in the laboratory. ½
 - (iv) Slurry means suspension of _____ of fungicide. ½
- (b) Choose the correct alternative (MCQ) :
- (i) _____ is the method for crop management.
 - (a) Seed processing (b) Harvesting
 - (c) Mixed cloning (d) None ½
 - (ii) _____ play very important role for soil drying.
 - (a) Stacking (b) Watering
 - (c) Dhumidification (d) None ½
 - (iii) _____ determines the seed farm business.
 - (a) Seed processing (b) Farm labour
 - (c) Seed pricing (d) None ½
 - (iv) Some kinds of seeds like soybeans are _____ lived.
 - (a) Medium (b) Short
 - (c) Long (d) None ½
- (c) Answer in **one** sentence each :
- (i) What is Bagger Weigher ? 1
 - (ii) What is seed certification agency ? 1
 - (iii) What is moisture content of seeds ? 1
 - (iv) What is genetic purity ? 1
2. Explain :
- (a) Advantages of seed drainage. 6
 - (b) Methods of moisture measurement. 6
- OR**
- (p) Seed drying. 6
 - (q) Specific gravity separator. 6

3. Explain the following :
- (a) Slurry treater 4
 - (b) Pneumatic conveyors 4
 - (c) Roll mills. 4
- OR**
- (d) Storage of treated seeds 4
 - (e) Bucket elevators 4
 - (f) Maintenance of seed processing equipments. 4
4. Describe in brief construction of seed storage. 12
- OR**
- Describe in detail the method of packaging of seeds. 12
5. Explain the following :
- (g) Opportunity cost 4
 - (h) Basic principle in farm management 4
 - (i) Cost analysis law of diminishing. 4
- OR**
- (j) Cost and Capital investment 4
 - (k) Decision making approaches 4
 - (l) Most profitable combination of input and output. 4
6. Explain :
- (m) Tillage 4
 - (n) Selection of farm machinery 4
 - (o) Determination of field capacity. 4
- OR**
- (p) Consideration in farm building 4
 - (q) Weed control 4
 - (r) Dry land farming. 4
7. Explain :
- (s) Seed market of India 4
 - (t) Factors affecting profit 4
 - (u) Management of labours. 4
- OR**
- (v) Analysis of farm business 4
 - (w) Survey of seed market 4
 - (x) Farm budgeting. 4