

**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) The main purpose of \_\_\_\_\_ is to maintain the seed in good physiological condition. ½

(ii) \_\_\_\_\_ is a seed processing machine by which seed separation is made on the basis of specific gravity. ½

(iii) Seed \_\_\_\_\_ is promoted by natural agency of sun and wind. ½

(iv) A plant in a place where it is nuisance might be considered as \_\_\_\_\_. ½

(B) Choose the correct alternatives (MCQ) :

(v) Insulation of seed storage is done to \_\_\_\_\_ the flow of heat. ½

- |              |              |
|--------------|--------------|
| (a) Reduce   | (b) Increase |
| (c) Maintain | (d) None     |

(vi) Seed production costs must be kept as \_\_\_\_\_ as possible. ½

- |          |                      |
|----------|----------------------|
| (a) Low  | (b) Very High        |
| (c) High | (d) All of the above |

(vii) \_\_\_\_\_ determine the seed farm business. ½

- |                  |                     |
|------------------|---------------------|
| (a) Farm labours | (b) Seed processing |
| (c) Seed pricing | (d) None            |

(viii) Warehouse should have no windows and have only \_\_\_\_\_ door(s) constructed of metal. ½

- |           |          |
|-----------|----------|
| (a) Nine  | (b) One  |
| (c) Three | (d) Four |

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

(ix) What is mixed cropping ? 1

(x) What is seed pellets ? 1

(xi) What is Breeder's seed ? 1

(xii) What is heat injury of seeds ? 1

2. Describe in brief important methods of moisture measurement in seeds. 12

**OR**

Explain :

(a) Working of specific gravity separators. 6

(b) Importance and advantages of seed drainage. 6

3. (a) Mistomatic seed treater. [www.FirstRanker.com](http://www.FirstRanker.com) [www.FirstRanker.com](http://www.FirstRanker.com) 4  
(b) Cleaning of roll mills. 4  
(c) Labelling of treated seeds. 4
- OR**
- (p) Seed conveyors. 4  
(q) Maintenance of seed processing equipments. 4  
(r) Slurry treater. 4
4. (a) Construction of seed storage. 6  
(b) Labelling and maintaining lot identity. 6
- OR**
- (c) Give account on packaging of seeds. 6  
(d) Maintenance of seed processing record. 6
5. (a) Cost and capital investment. 4  
(b) Basic principles of field farm management. 4  
(c) Law of diminishing returns. 4
- OR**
- (p) Decision making approaches. 4  
(q) Most profitable combination of input and output. 4  
(r) Opportunity cost. 4
6. Explain :  
(a) Tillage. 4  
(b) Importance of weed control. 4  
(c) Determination of field capacity and field efficiency. 4
- OR**
- (p) Weeds and their control. 4  
(q) Maintenance of soil fertility. 4  
(r) Dry land farming. 4
7. Explain :  
(a) Seed transportation. 4  
(b) Budget and record keeping. 4  
(c) Certified seeds. 4
- OR**
- (p) Seed market in India. 4  
(q) Pricing of certified seeds. 4  
(r) Procedure of farm budgeting. 4