

AR - 614

Sixth Semester B. Sc. (Part - III) Examination

**SEED TECHNOLOGY (Vocational)**

(Seed Processing, Farm Management and Marketing)

P. Pages : 5

Time : Three Hours ]

[Max. Marks : 80

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- Note :** (1) There are Seven questions in all.  
(2) Question No. 1 is compulsory and carries 8 marks.  
(3) Question No. 2 to 7 carry equal marks.  
(4) Draw well labelled diagrams wherever necessary.

1. (A) Fill in the blanks :—

- (i) The amount of \_\_\_\_\_ in seed is the most important factor influencing seed viability.  $\frac{1}{2}$
- (ii) Seed \_\_\_\_\_ is promoted by natural agency of sun and wind.  $\frac{1}{2}$
- (iii) \_\_\_\_\_ fill and weigh a bag accurately in a single operation.  $\frac{1}{2}$
- (iv) \_\_\_\_\_ follows when the seed has dried sufficiently.  $\frac{1}{2}$

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

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

- (a) High (b) Low  
(c) Very high (d) None  $\frac{1}{2}$

(vi) The moisture content of a sample is \_\_\_\_\_ in weight when it is dried.

- (a) Increase (b) Less  
(c) Equal (d) None  $\frac{1}{2}$

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

- (a) Maintain (b) Increase  
(c) Reduce (d) None  $\frac{1}{2}$

(viii) Storage of seed in \_\_\_\_\_ will solve the problem of moisture penetration.

- (a) Steel bin (b) Paper bag  
(c) Cotton bag (d) None  $\frac{1}{2}$

(C) Answer in **one** sentence :—

(ix) What is roll mill ? 1

(x) What is multiple cropping ? 1

(xi) What is slurry treater ? 1

(xii) What is seed pellets ? 1

2. Comment on :

- (a) Importance of seed drainage. 4
- (b) Cylinder separators. 4
- (c) Methods of seed moisture measurement. 4

OR

- (p) Advantage of seed drainage. 4
- (q) Method of seed moisture measurement. 4
- (r) Specific gravity separator. 4

3. Describe :

- (a) Seed treatment equipment. 4
- (b) Labelling of treated seeds. 4
- (c) Oscillation conveyors. 4

OR

- (p) Slurry treater. 4
- (q) Seed elevators. 4
- (r) Pneumatic conveyors. 4

4. Give brief account on packaging of seeds.

OR

Give the illustrated account of seed storage structures. 12

5. Explain :

(a) Decision making approaches. 6

(b) Scope and basic principle in farm management. 6

OR

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

(q) Cost and capital investment. 6

6. Explain :

(a) Important crops of India. 4

(b) Weeds and their control. 4

(c) Harvesting. 4

OR

(p) Tillage. 4

- (q) Maintenance of soil fertility. 4
- (r) Determination of field capacity. 4

7. Comment on :

- (a) Seed market in India. 4
- (b) Record keeping. 4
- (c) Certified seeds. 4

OR

- (p) Survey of seed market. 4
- (q) Farm budgeting. 4
- (r) Seed transportation. 4



