

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. 1/2(ii) _____ is a seed processing machine by which seed separation is made on the basis of specific gravity. 1/2(iii) Seed _____ is promoted by natural agency of sun and wind. 1/2(iv) A plant in a place where it is nuisance might be considered as _____. 1/2

(B) Choose the correct alternatives (MCQ) :

(v) Insulation of seed storage is done to _____ the flow of heat. 1/2

(a) Reduce

(b) Increase

(c) Maintain

(d) None

(vi) Seed production costs must be kept as _____ as possible. 1/2

(a) Low

(b) Very High

(c) High

(d) All of the above

(vii) _____ determine the seed farm business. 1/2

(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. 1/2

(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 ? 12. 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) Mist o-matic seed treater. www.FirstRanker.com 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