

Total No. of Questions :5]

SEAT No. :

[Total No. of Pages :2

P535

[4917] - 144

F.Y.B.Sc. (Vocational)

SEED TECHNOLOGY

Seed Physiology and Seed Production

(New) (2013 Pattern) (Paper - II)

Time : 3 Hours]

[Max. Marks :80

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*
- 3) Draw neat labelled diagrams wherever necessary.*

Q1) Attempt the following:

[16]

- a) Define epigeal seed germination.
- b) Enlist different factors affecting seed dormancy.
- c) Comment on long term storage seeds.
- d) What is seed ageing?
- e) Define genetic purity of seeds.
- f) What are off types?
- g) Comment on isolation distance.
- h) What are certified seeds?

P.T.O.

Q2) Attempt any Four of the following: [16]

- a) Comment on seedling abnormalities and its causes.
- b) Explain seed viability concept.
- c) Give advantages of artificial seed production.
- d) Explain, seed as a basic input in agriculture.
- e) Comment on state seed corporation and its objectives.
- f) Comment on cultural practices and isolation distance in seed production.

Q3) Write notes on any Four of the following: [16]

- a) Roughing
- b) Sources of irrigation
- c) Seed deterioration
- d) Storage condition
- e) Composition of seed storage constituents.
- f) Care during harvesting and threshing.

Q4) Attempt any two of the following: [16]

- a) Define seed dormancy. Explain various methods to break seed dormancy.
- b) Give detail account of artificial seed production.
- c) Explain different methods of sowing.
- d) Comment on quality of irrigation water and losses due to excessive irrigation.

Q5) Explain various factors affecting seed vigour. Add a note on importance of seed vigour. [16]

OR

Give causal organism, symptoms, disease cycle and control measures for wheat rust. [16]

