

# Question Paper Code : 6073

M.Sc. (Semester-III) Examination, 2017

## AGRONOMY

[ Fourth Paper ]

( Seed Production Techniques in Field Crops )

Time : Three Hours]

[Maximum Marks : 50

**Note :** Answer **five** questions in **all** including Question **No. 1** which is **compulsory**. Attempt **one** question from each unit.

1. Describe briefly the following : [10x2 = 20]
- (a) Disease sick plot
  - (b) Detasseling
  - (c) Vegetable gardens
  - (d) Presowing seed treatment
  - (e) Pureline selection in seed production
  - (f) Floral biology of cotton

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- (g) Seed production technique in brinjal
- (h) Top dressing
- (i) Double fertilization
- (j) Optimum manurial requirement in wheat

#### UNIT-I

2. Describe in brief the different agronomical practices for seed production in wheat and its pest management. [8]
3. Write short notes on the following : [8]
  - (a) Fibre crops
  - (b) Disease and insect-pest management in 'Arhar'

#### UNIT-II

4. What are different seed producing organizations in country and their role in seed quality maintenance ? [8]
5. Write short notes on the following : [8]
  - (a) Crop rotation
  - (b) Seed production technique in cauliflower

#### UNIT-III

6. What is hybrid seed ? Define the hybrid seed production in maize. [7]
7. Write short notes on the following :
  - (a) Seed dormancy [4]
  - (b) Pollination in 'Lauki and production of its pure seeds [3]

#### UNIT-IV

8. Describe in brief the necessary steps to maintain purity and quality of improved variety. [7]
9. Write short notes on the following :
  - (a) Seed testing and seed certification [4]
  - (b) Stored grain pest and their management [3]

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