

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(Agriculture) (2014 & Onwards) (Sem.-5)

INTRODUCTION OF PLANT BREEDING

Subject Code : BSAG-507

Paper ID : [74171]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Q1. Write short notes on :

- a) Stamens
- b) Pollination
- c) Cross Pollination
- d) Inbreeding
- e) Male Sterility
- f) Apomixis
- g) Self Pollination
- h) Hybrid Vigour
- i) Double Cross Hybrids
- j) Polyploidy

SECTION-B

- Q2. Describe the procedure for Hybridization.
- Q3. Write the objectives of Plant Breeding.
- Q4. Describe Johannsens Pure line theory.
- Q5. Describe the procedure for the development single cross hybrids.
- Q6. Describe the Mass Selection.

SECTION-C

- Q7. Describe the Back Cross Method of Breeding.
- Q8. Describe the procedure for development polyploids.
- Q9. Describe the Mutation Breeding & its role in plant Breeding.