

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.