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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

M.Code : 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

1. Write short notes on :

- (a) Sigma
- (b) Self Pollination
- (c) Asexual Reproduction
- (d) Inbreeding
- (e) Male fertility
- (f) Apomixis
- (g) Often Cross pollination
- (h) Hybrid Vigour
- (i) Single Cross Hybrids
- (j) Polyploidy





SECTION-B

2. Describe the procedure for Crossing in Pulses.
3. Write the objectives of cereal Breeding.
4. Describe Johannsens Pure line theory.
5. Describe the procedure for the development of Double cross hybrids.
6. Describe the Recurrent Selection.

SECTION-C

7. Describe the Pedigree Method of Breeding.
8. Describe the procedure for Population Improvement.
9. Describe the Mutation Breeding & its role in Plant Breeding.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

