

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(Agriculture) (2014 & Onwards) (Sem.-3)

INTRODUCTION TO GENETICS

Subject Code : BSAG-304

M.Code : 72554

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. Define or briefly describe the following :**

- (a) Mitosis
- (b) Meiosis
- (c) Penetrance
- (d) Genetics
- (e) DNA
- (f) Karyotype
- (g) Linkage
- (h) Evolution
- (i) Pleiotropism
- (j) Idiogram

SECTION-B

2. Describe the translation.
3. Write the Mandel's Laws of inheritance.
4. Describe Cytoplasmic Inheritance.
5. Describe the procedure for inducing mutations.
6. Describe Quantitative traits.

SECTION-C

7. Describe the Evolution of wheat.
8. Describe Evolution of Triticale.
9. Describe the Protein Synthesis.

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.