



ED-320

M.Sc. 1st Semester
Examination, March-April 2021

ZOOLOGY

Paper - III

Population Genetics and Evolution

Time : Three Hours] [*Maximum Marks* : 80

Note : Answer **all** questions in which Question Number 1 is compulsory. All questions carry equal marks.

1. Explain the following :
 - (a) Lamarckism
 - (b) Meiotic drive
 - (c) Reproductive isolation
 - (d) Micro evolution

Unit-I

2. Describe Darwinism.

OR

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(Turn Over)

(2)

Describe anatomical, biochemical and physiological evidence of evolution.

Unit-II

3. Describe Mutation :

OR

Explain the following :

- (a) Hardy-Weinberg law
- (b) Genetic drift

Unit-III

4. Describe gene evolution.

OR

Describe factors affecting human disease.

Unit-IV

5. Describe evolution of Man.

OR

Describe evolution of Elephant.
