

Exam. Code : 103203

Subject Code : 1358

B.A./B.Sc. 3rd Semester

ZOOLOGY

Paper—ZOO—III A (Evolution)

Time Allowed—3 Hours] [Maximum Marks—35

Note :— (1) Section A is compulsory and consists of **SEVEN** sub parts of 1 mark each.

(2) Section B : Attempt **FOUR** questions, selecting at least **ONE** from each unit. Each question carries 7 marks.

SECTION—A

Write short answer for the following :

- I. Evolution.
- II. Significance of fossils.
- III. Migration.
- IV. Evolutionary rate.
- V. Analogy.
- VI. Transitional forms.
- VII. Palaeontology. 1×7=7

SECTION—B**UNIT—I**

- I. Describe physiological, biochemical, serological, cytological and genetic evidences of organic evolution. 7
- II. Describe Neo-Darwinism in detail. 7

UNIT—II

- III. Describe speciation and the factors responsible for it. 7
- IV. Describe modern hypothesis of origin of life. 7

UNIT—III

- V. Give a brief detail of evolution of man. 7
- VI. Why do evolutionary rates differ among various groups of organisms ? 7

UNIT—IV

- VII. Describe flight adaptation in birds. 7
- VIII. Write notes on :
- (a) Fish migration
- (b) Fins of fish. $3\frac{1}{2} \times 2 = 7$