

Exam. Code : 103203

Subject Code : 1306

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

ZOOLOGY

ZOO-III A : (Evolution)

Time Allowed—3 Hours]

[Maximum Marks—35

Note :—ALL questions carry equal marks. Candidates are required to attempt **FIVE** questions, selecting at least **ONE** each from Sections A–D. **FIFTH** question may be attempted from any section.

SECTION—A

1. Give brief account for geological time spans.
2. Describe the Darwin's theory of natural selection. What factors support and oppose this theory ?

SECTION—B

3. Explain allopatric speciation in detail. What are the various alternatives to allopatric speciation ?
4. Briefly explain the modern hypothesis of origin of life.

SECTION—C

5. Define fossil. How can we interpret fossil records ?
List the conclusions drawn from the study of fossil record.
6. Discuss various factors responsible for the extinction of reptiles.

SECTION—D

7. Give detailed account on parental care in fishes.
8. Write short notes on :
 - (a) Adaptive radiation in scales and fins in fish.
 - (b) Poison apparatus of snake.