

Exam. Code : 103203

Subject Code : 1307

B.A./B.Sc. 3rd Semester (Batch 2020-23)

ZOOLOGY (Evolution)

Paper—Zoo-III A

Time Allowed—3 Hours] [Maximum Marks—35

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each Section. The **fifth** question may be attempted from any Section. All questions carry equal marks.

SECTION—A

1. Define Organic evolution. Explain the Theory of Spontaneous Generation of Abiogenesis.
2. List the basic principles of evolution. Write a note on Neo-Lamarckism.

SECTION—B

3. How will you show that eukaryotes arose from prokaryotes ?
4. What is reproductive isolation ? Discuss the various modes of speciation in animals.

SECTION—C

5. Give the biogeographical evidences on support of organic evolution.
6. Give the factors responsible for extinction of reptiles.

SECTION—D

7. Describe flight adaptations in birds as of significance in evolutionary studies.
8. Write notes on :—
 - (i) Anadromous migration
 - (ii) Adaptive radiation in fish.