

D 102201

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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2024

(CBCSS)

Zoology

ZOL 2C 06—SYSTEMATICS AND EVOLUTION

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any *four* questions. Each question carries 2 weightage :

- 1 Law of priority.
- 2 Explain homonyms and synonyms with examples.
- 3 Super species.
- 4 Cladistics.
- 5 Cytotaxonomy.
- 6 Good gene hypothesis.
- 7 Define intra sexual selection.

(4 × 2 = 8 weightage)

II. Answer any *four* questions. Each question carries 3 weightage :

- 8 Theories of classification.
- 9 Hierarchy of categories.
- 10 Different methods for preservation of specimen.
- 11 Types of taxonomic keys.
- 12 Rules of binomial nomenclature.
- 13 Different stages of primate evolution.
- 14 Anagenesis Vs Cladogenesis.

(4 × 3 = 12 weightage)

Turn over

III. Answer any *two* questions. Each question carries 5 weightage :

- 15 Discuss on the ethics related to taxonomic publication.
- 16 Briefly explain different types of species concept.
- 17 Briefly explain molecular evolution .
- 18 'Fossils are written documents of evolution'. Elaborate the statement.

(2 × 5 = 10)