



K22P 1608

Reg. No. :

Name :

**I Semester M.Sc. Degree (C.B.S.S. – Reg./Supple./Imp.)
Examination, October 2022
(2019 Admission Onwards)
ZOOLOGY**

ZOO1C03 : Systematic Zoology and Behavioural Science

Time : 3 Hours

Max. Marks : 60

**PART – A
(Systematic Zoology)**

I. Answer **any one** of the following.

- 1) Explain different species concepts and intraspecific categories.
- 2) Give a critical account on procedure for Taxonomic collection and duty of a curator. **(1×12=12)**

II. Answer **any one** of the following.

- 3) Give a short account on following taxonomic characters :
 - a) Morphological
 - b) Anatomical
 - c) Embryological
 - d) Ecological.
- 4) Write an account on history and important codes of Zoological Nomenclature. **(1×8=8)**

III. Answer **any two** of the following.

- 5) What are the Levels of Taxonomy ?
- 6) Comment on importance of Taxonomy.
- 7) Explain the importance of Molecular Taxonomic Character. **(2×5=10)**

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**PART – B
(Behavioural Science)**

IV. Answer **any one** of the following.

- 8) Explain different types of Instinctive Behaviour animals.
- 9) Comment on the various strategies used in Animal communication. **(1×12=12)**

V. Answer **any one** of the following.

- 10) Write briefly on Orientation and Navigation in birds.
- 11) Give a brief account on the Parental care. **(1×8=8)**

VI. Answer **any two** of the following.

- 12) Comment on Mating System.
- 13) Explain the relationship between genes and environment in the control of behaviour.
- 14) Differentiate between Altruism and Reciprocal Altruism. **(2×5=10)**