



K21P 4216

Reg. No. :

Name :

I Semester M.Sc. Degree (C.B.S.S. – Reg./Supple./Imp.)
Examination, October 2021
(2018 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) Describe the various species concepts. Add a note on intraspecific categories.
- 2) Give a critical account on the various taxonomic procedures. **(1×12=12)**

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

- 3) What are the different types of taxonomic keys ?
- 4) Give an account of International Code of Zoological Nomenclature. **(1×8=8)**

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

- 5) Functions of Classification.
- 6) Type method.
- 7) Molecular taxonomy. **(2×5=10)**

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PART – B
Behavioural Sciences

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

- 8) Explain the methods of communication in animals.
- 9) Discuss the evolution of animal behaviour. **(1×12=12)**

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

- 10) Give a short account on the reproductive behaviour of animals.
- 11) Discuss the relationship between genes and environment in the control of animal behaviour. **(1×8=8)**

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

- 12) Cultural transmission of behaviour.
- 13) Sign stimuli and releasers.
- 14) Parental care. **(2×5=10)**