



K23P 3119

Reg. No. :

Name :

I Semester M.Sc. Degree (C.B.C.S.S. – OBE – Regular)

Examination, October 2023

(2023 Admission)

ZOOLOGY

MSZGY01C04 : Systematics, Evolutionary Biology and Behavioural Science

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any five** of the following. **Each** question carries **3** marks.

1. Differentiate between alpha and beta taxonomy.
2. Comment on functions of classification.
3. Explain typological species concepts.
4. Comment fixed action pattern.
5. Explain the factors negatively affecting courtship behaviour.
6. What are the driving mechanisms behind evolution ?

PART – B

Answer **any three** of the following. **Each** question carries **6** marks.

7. Describe the International code of Zoological Nomenclature.
8. Describe the duties of a curator.
9. Explain geographical and molecular taxonomic characters.
10. Comment on the mating system.
11. Differentiate between punctuated equilibrium and gradualism.

P.T.O.

K23P 3119



PART – C

Answer **any three** of the following. **Each** question carries **9** marks.

12. What are the ethics-related taxonomy ?
13. Describe the procedure, advantages and disadvantages of any three newer trends in systematics.
14. Differentiate between different types of communication with their advantages and disadvantages.
15. Write an essay on sexual selection.
16. Describe the process of speciation.