



K19P 1523

Reg. No. :

Name :

I Semester M.Sc. Degree (CBSS-Reg./Suppl./Imp.)

Examination, October - 2019

(2014 Admission Onwards)

ZOOLOGY

ZOO1C03: SYSTEMATIC ZOOLOGY AND BEHAVIORAL SCIENCE

Time : 3 Hours

Max. Marks : 60

PART-A

(Systematic Zoology)

- I. Answer any **ONE** of the following. (1×12=12)
1. Explain the various methods of collection and preservation of animal specimen for taxonomic work with suitable examples
 2. Explain Zoological nomenclature? Explain different codes and operative principles of ICZN.
- II. Answer any **ONE** of the following. (1×8=8)
3. Write note on different species concepts
 4. Give note on kinds of classification
- III. Write short notes on any **TWO** of the following. (2×5=10)
5. Cline
 6. Molecular taxonomy
 7. Synonyms and Homonyms

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PART-B

(Behavioural Science)

- IV.** Answer any **ONE** of the following. **(1×12=12)**
- 8. Types of communications in animals
 - 9. Evolution of sex and reproductive behavior in animals
- V.** Answer any **ONE** of the following. **(1×8=8)**
- 10. Explain various strategies used by birds in navigation
 - 11. Give note on instinctive behavior.
- VI.** Answer any **TWO** of the following. **(2×5=10)**
- 12. Give note on displacement activities
 - 13. Kin selection
 - 14. Genetic basis of behaviour
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