



**M.Sc. II Semester (CBCS) Degree Examination,
September/October - 2022**

ZOOLOGY

21ZO02C7L : Ethology and Chronobiology

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with Question No.1 **Compulsory**, each question carries **equal** marks.

1. Explain different types of behavioral patterns in animals. **14**
2. Give a detailed account of Kin-Selection, group foraging and its advantages. **14**
3. Explain in detail alternative mating tactics. Add a note on parental care. **14**
4. Give a detailed account on concepts, methods and types of biological rhythms. **14**
5. Describe the process of entrainment and masking in the natural and artificial environment. **14**
6. Explain the mechanism of coloration and mimicry in relation to social behavior of animals. **14**
7. Write an essay on photoperiodism. **14**
8. Write a note on :
 - (a) Animal communication in birds **5**
 - (b) Sperm competition **5**
 - (c) Chronomedicine **4**

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