

21Z002C7L

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Sl. No.

M.Sc. II Semester Degree Examination, Sept./Oct. - 2024

ZOOLOGY

DSC 7 : Ethology and Chronobiology

(NEP)

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. Give a brief note on Lorenze and Tinbergen contribution to Ethology. **14**
2. Write an essay on social behaviour in honey bee. **14**
3. Write a note on alternative mating tactics. **14**
4. Write an essay on mechanism of seasonal process and photoperiodic control. **14**
5. Give a detailed account of migration and communication in birds and bees. **14**
6. Describe migration in birds with suitable examples. **14**
7. Write a note on :
 - (a) Chronopharmacology **5**
 - (b) Biological clock **5**
 - (c) Hamilton's rule **4**

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