



**FOURTH YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF  
BACHERLOR OF SCIENCE IN EDUCATION  
SECOND SEMESTER 2022/2023  
(JUNE - SEPTEMBER, 2022)**

**ZOOL 413: ANIMAL BEHAVIOUR**

**STREAM: Y4 S2**

**TIME: 2 HOURS**

**DAY: THURSDAY, 9:00 AM – 11:00 AM**

**DATE: 15/09/2022**

**INSTRUCTIONS:**

- 1. Do not write anything on this question paper.***
- 2. Answer ALL Questions in section A (Compulsory) and any other TWO***

**SECTION A (40MARKS)**

1. Explain the term animal behavior. (2 marks)
2. Why do individuals have extra-pair copulations? (3marks)
3. Briefly explain types of Biological Clocks. (3marks)
4. Explain the Navigation Methods in animals. (3 marks)
5. Briefly explain any three examples of various documented behaviors in animals. (3 marks)
6. Briefly discuss the approaches to animal behavior. (4marks)
7. What are the advantages and disadvantages of chemical communication (4 marks)
8. Briefly explain what you understand by imprinting. (4 marks)
9. Briefly discuss foraging behavior (4 marks)

10. Briefly explain the three types of mating Systems (5 marks)
11. Briefly explain what you understand by Habituation (5 marks)

**SECTION B (30 Marks)**

- 12 Discuss on the development of animal behaviour. (15marks)
- 13 Discuss in detail on the control of animal behavior. (15 marks)
- 14 Explain the following types of learning:
- i. Classical conditioning (5 marks)
  - ii. Instrumental conditioning (5 marks)
  - iii. Insight learning (5 marks)