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**UNIVERSITY EXAMINATIONS
2023/24 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER
MAIN EXAMINATION**

**FOR THE DEGREE OF BACHEOR OF EDUCATION AND EXTENSION
(BEE) AND BACHEOR OF SCIENCE (BIOLOGY)**

COURSE CODE: SZL 412

COURSE TITLE: ETHOLOGY

DATE: 6TH DECEMBER 2023

TIME: 2.00 - 4.00 PM

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** [1] and **ANY** other **TWO** [2] questions

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



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- 1 (a) List three reasons why studying animal behaviour is important. (3marks)
 - (b) A cock crows at designated times during the day, explain this type of behaviour in relation to behavioral genetics. (3 marks)
 - (c) With examples differentiate between innate and learned behavior. (3 marks)
 - (d) With appropriate examples justify that behaviour is inherited from parents. (3 marks)
 - (e) Using appropriate examples differentiate between classical conditioning and operant Conditioning (3 marks)
 - (f) Explain how schooling occurs in fish. (3 marks)
 - (g) Insects are said to have a long evolutionary history compared to man, explain this Phenomenon basing on insects reproductive and social behaviour (3 marks)
 - (h) With examples, define stimuli (3 marks)
 - (i) State the meaning of fixed action pattern and give three examples (3 marks)
 - (j) State the meaning of the following a) Monogamy b) Polygamy c) Polyandry (3 marks)
2. Discuss how fixed action pattern and innate releasing mechanisms interact in a named vertebrate. (20 marks)
 3. With examples, discuss territorial behaviour in animals. (20 marks)
 4. Behaviour is inherited from parents, discuss. (20 marks)
 5. Describe how migrating animals navigate. (20 marks)