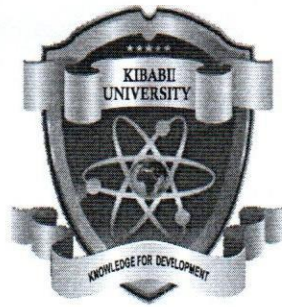


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(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF BIOLOGY

COURSE CODE: SZL 412

COURSE TITLE: ANIMAL BEHAVIOUR/ETHOLOGY

DATE: Tuesday 13th July, 2021.

TIME: 2:00 – 4:00 p.m.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 3 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1. (a) Define the following terms as used in study of animal behaviour
- i. Ethology
 - ii. Behaviour
 - iii. Welfare
 - iv. Zoosemiotics
 - v. Chronobiology
- (5 marks)
- (b) Distinguish between:
- i. Parental care and parental investment
 - ii. Voluntary and Involuntary human behaviour
 - iii. Overt and covert human behaviour
 - iv. Natural/Innate behaviour and Learned/Nurture behaviour
 - v. Field and laboratories methods of studying behaviour
- (5 marks)
- (c) Explain the advantages of observing a pecking order in some animal species (5 marks)
- (d) Explain the characteristics of learned behaviour in animals. (5 marks)
- (e) Briefly explain the role of the following scientist in the studies of animal behaviour:
- i. Charles Darwin (1809-1889)
 - ii. Niko Tinbergen (1904)
- (5 marks)
- (f) Explain how hormones affect animal behaviour (5 marks)
2. Discuss why monkeys are regarded to be the most common and successful primates in social organization and structure. (20 marks)
3. Compare and contrast chemical communication and auditory communication in animals (20 marks)
4. Elucidate agonistic behaviour as an innate behavioural pattern (20 marks)
5. Describe the various types of learned behaviours. (20 marks)