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(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER
MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY,
BACHELOR OF EDUCATION SCIENCE AND BACHELOR
BIORESOURCE MANAGEMENT AND CONSERVATION

COURSE CODE: SZL 412
COURSE TITLE: ANIMAL BEHAVIOUR

DATE: MONDAY 30th July, 2018. **TIME:** 9:00 – 11:00 a.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 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1.

- a) Name four fields of study that have arisen from the study of animal behaviour 4marks
- b) Describe two forms of behaviour exhibited in animals giving an example in each case 4marks
- c) State any three receptors found in animals 3marks
- d) Describe any two forms of learned behaviour 4marks
- e) State three physiological or environmental stimuli that influence behaviour in animals 3marks
- f) With appropriate examples justify the statement "behaviour is inherited from parents" 5marks
- g) Using appropriate examples differentiate between classical conditioning and operant conditioning. 4marks
- h) Define the following types of mating systems: monogamy, polygyny and polyandry 3marks

2. Using relevant examples, discuss the significance of communication signals in courtship behaviour in animals. 20marks

3. Swallow birds often hunt in groups while hawk birds usually are solitary hunters. Discuss the basis for this difference. 20marks

4. Discuss the benefits and the risks that individuals who make alarm calls face amongst social vertebrate societies 20marks

5. Citing specific examples describe how migrating animals navigate. 20marks