



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF SCIENCE
2021_2 Examination

BIO 314 - Animal Behaviour

Time: 2hours

Credit Unit: 2

Instruction: Question 1 is compulsory. Answer FOUR questions only

- 1a.i. Define the term 'Biological clocks'? (2marks)
- 1a.ii. Outline the types of Biological Clocks (3marks)
- 1b. List and explain 6 functions of communication in animals (12 marks)
- 1c. Write briefly on the Biological factors that have been speculated to influence in sexual orientation (8 marks)

2. Using examples, explain olfactory communication in animals (15 marks)

- 3a. Describe conflict behaviour in animals (4marks)
- 3b. Write short notes on the following forms of conflict behaviour
 - i. *Approach–approach* (4marks)
 - ii. *Avoidance–avoidance*(4marks)

- 4a. Describe the habitat of the following Animals
 - i. Penguins (3marks)
 - ii. African Elephant (3 marks)
- 4b. Describe the navigational methods in Animals (9 marks)

5. Describe the following habitats.
 - a. Forest (7 marks)
 - b. Arctic Tundra (8 marks)