



NATIONAL OPEN UNIVERSITY OF NIGERIA

**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science**

DEPARTMENT OF BIOLOGICAL SCIENCES

2024 1 EXAMINATION

**COURSE CODE: BIO 314
COURSE TITLE: ANIMAL BEHAVIOUR
CREDIT UNIT: 2 UNITS
TIME ALLOWED: 2 HOURS**

INSTRUCTION: ANSWER QUESTION ONE AND ANY TWO OTHERS

- 1a. Enumerate emotion in the following animals? (4mrks)
- (i). Primates (4mrks)
 - (ii). Fish (3mrks)
 - (iii). Felines (5mrks)
 - (iv). Canines (4mrks)
- b. Briefly describe the Growth of field in ethology? (4mrks)
- c. In a tabular form, differentiate between intraspecies and interspecies communication? (6mrks)
- d. Outline the form of communication with specific examples? (6mrks)
- Total marks = 30mrks**
- 2a. Highlight the features of the following? (5mrks)
- i. Central Nervous System (8mrks)
 - ii. Peripheral Nervous System (7mrks)
 - iii. Aneurone nervous system
- Total marks = 20mrks**
- 3a. With suitable examples, highlight the communication system in animals? (5mrks)
- b. xWrite short notes on the following: (8mrks)
- i. Reflexes (7mrks)
 - ii. Intrinsic pattern generation
- Total marks = 20mrks**
- 4a. Describe the fixed action pattern in animal behaviour and how it works? (3mrks)
- b. With suitable examples, outline the animals that experience fixed action pattern? (12mrks)
- c. Explain in details the exploitation of Fixed Action Pattern (FAP)? (5mrks)
- Total marks = 20mrks**
- 5a. Describe the following types of conflict?
- Approach-approach conflict _____ (4mrks)
 - Avoidance avoidance conflict _____ (6mrks)
 - Approach- approach conflict _____ (4mrks)
- b. Mention and explain briefly the three types of Classic motivational conflicts? (6mrks)
- Total marks = 20mrks**