



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA**  
**FACULTY OF SCIENCE**  
**Department of Biological Sciences**  
**2023\_1 POP EXAMINATION.**

**BIO 314 - Animal Behaviour**

**Time: 2hours**

**Credit Unit: 2**

**Instruction: Answer THREE questions only. Question 1 is compulsory.**

1a. Expatiate on the following terms

- i. Nervous system (2.5 marks)
- ii. Neurons (2.5 marks)
- iii. Sleep deprivation (5 marks)

1b. Describe the nervous system anatomy in vertebrates (20 marks)

2a Explain the term 'Fixed Action Pattern' (FAP) (10 marks)

2b Explain the Cognitive theory of motivation (10 marks)

3a. Explain the term communication in relation to animal behaviour (5 marks)

3b. Discuss visual communications in animals (15 marks)

4a. Enumerate FOUR examples of various documented behaviours in animals. (4 marks)

4b. Write short notes on the following in relation to behaviour development in animals

Maturation: (6 marks)

Instinct interactions (10 marks)

5a. Explain the term 'Habitat' (2 marks)

5b. Give a brief description of the forest habitat (18 marks)