



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF SCIENCE
SEPTEMBER, 2020 EXAMINATION

BIO 410: Fisheries & Aquaculture

Time: 2½ Hours

Credit Units: 3

Instruction: Answer FIVE questions only. QUESTION 1 is compulsory.

- 1 (a). Characterize the body division of a fish (4 marks).
- (b). Outline the unique features of a cartilaginous fish (8 marks).
- (c). Write concisely on the basic shape of a fish (10 marks).

- 2 (a). Outline the different methods of food studies (3 marks)
- (b). Discuss the factors affecting food and feeding habits of fishes (9 marks)

- 3 (a). Write succinctly on the techniques for collection and preserving the Otoliths (4 marks).
- (b). Give a comprehensive account on age determination of Otoliths (8 marks).

- 4 a. Write short notes on the following:
 - i). Drainage installation
 - ii). Sluice gate
 - iii). Water inlet
 - iv). Monk (12 marks)

- 5(a). Outline the factors determining the size of a fish pond (3 marks)
- b). Write a short note on the types of ponds based on water supply (9 marks)

- 6 (a). Outline the factors that determine the shape of a fish pond (4 marks)
- (b). Highlight the type of ponds based on the usage (4 marks)
- (c). List the purposes of fish hatchery in fish production (4 marks)