



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)