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

2023 2 EXAMINATIONS_

BIO 410 - FISHERIES & AQUACULTURE.

TIME 21/2 HOURS CREDIT UNIT: 3

INSTRUCTION: QUESTION 1 IS COMPULSORY. ANSWER FIVE QUESTIONS ONLY

- 1a. Describe the Cardiovascular system of the fish (7 marks)
- 1b. Highlight the Purposes for Hatchery (6 marks)
- 1c. Identify the proper steps in fresh fish handling (5 marks)
- le State four the demerits of the Numerical Method of Fish food analysis (4 marks)
- 2. Discuss Salting and Pickling as a method of fish preservation (12 marks)
- 3. Discuss the use of Hypophysation in fishery (12 marks)
- 4. Write short notes on the following basic organs/systems in fish
 - a. Corpuscles of Stannius (3 marks)
 - b. Ultimobranchial Gland (3 marks)
 - c. Pineal Gland (3 marks)
 - d. Lateral line systems (3 marks)
- 5. Write briefly on the following techniques of fish culture
 - (a) Extensive Fish Culture (4 marks)
 - (b) Semi- Intensive Fish Culture (4 marks)
 - (c) Intensives Fish Culture (4 marks)
- 6a. Identify the types of fish ponds (3 marks)
- 6b. Write briefly of the following steps of fish pond construction

Time of construction

Preparation of Site

Marking the outlines (9 marks)