

FISHERIES (ALTERNATIVE B)

For candidates in Nigeria only

EXAMINATION SCHEME

There will be **three** papers, **Papers 1, 2 and 3** all which must be taken. **Papers 1 and 2** will be a composite paper to be taken at one sitting.

- PAPER 1:** Will consist of forty multiple choice objective questions all of which should be answered within 40 minutes for 40 marks.
- PAPER 2:** Will consist of **six** essay questions. Candidates will be required to answer **four** questions within 2 hours for 80 marks.
- PAPER 3:** Will be a practical paper for school candidates and alternative to practical work paper for private candidates. Each version of the paper will consist of four questions all of which should be answered within 1½ hours for 60 marks.

SAMPLE QUESTIONS

PAPER 1 **(Objective)**

1. A fish which has no scales but has barbells is
 - A. tilapia.
 - B. tuna.
 - C. clarias.
 - D. croaker.

2. Integrated fish farming involves the culture of fish with
 - I. Rice
 - II. Pig
 - III. Duck
 - A. I and II only.
 - B. I and III only.
 - C. II and III only.
 - D. I, II and III.

3. An example of fish which can be cultured in ponds is
- A. clarias.
 - B. tuna.
 - C. bonga.
 - D. synodontis.
4. The optimum water quality range for Dissolved Oxygen in a fish pond is
- A. 3.0 – 5.0 mg/l.
 - B. 5.0 – 8.0 mg/l.
 - C. 8.0 – 11.0 mg/l.
 - D. 11.0 – 14.0 mg/l.
5. The following are fishing gear **except**
- A. scoop net.
 - B. hook and line.
 - C. dug-out canoe.
 - D. fishing spear.

PAPER 2
(Essay)

- (1) (a) (i) Define the term *fisheries*. [2 marks]
- (ii) Explain the **two** sub-divisions of fisheries. [4 marks]
- (b) List **five** materials used in constructing a set net and state **one** use of each. [10 marks]
- (c) Differentiate between *intensive* and *extensive* management systems of aquaculture. [4 marks]
- (1) (a) (i) What is *capture fisheries*? [2 marks]
- (ii) Describe **three** methods used in capturing fish. [9 marks]
- (b) (i) State **five** ways in which fisheries is important to the economy of your country. [5 marks]
- (ii) State **four** common fishery organisms in your country. [4 marks]

- (2) (a)(i) State **five** qualities of culturable fish species. [5 marks]
(ii) List **four** culturable fish species. [4 marks]
(b)(i) Explain the term *fish culture facility*. [2 marks]
(ii) List **six** facilities for culturing fish. [6 marks]
(c) Mention **three** fish preservation methods. [3 marks]

PAPER 3
(PRACTICAL)

Instruction

A – Fishmeal

B – Tilapia

C - Wheelbarrow

1. (a) Identify specimens **A**, **B** and **C**. [3 marks]
(b) State **three** uses of specimen **A**. [3 marks]
(c) Describe the process of making specimen **A**. [5 marks]
(d) Name **four** other by-products of fish apart from **A**. [4 marks]
2. (a) State **nine** benefits of raising specimen **B**. [9 marks]
(b) Describe **three** management systems used in raising specimen **B**. [6 marks]