**First Term Scheme Of Work**

**1. Fish pond: meaning of fish pond, types of fish pond**

**2.Other questioning facilities tank pain cage Harper raceway pen**

**Practical**

**3. Component of pond: inlet athlete dyke spillway monk**

**Practical**

**4. Culture system :**

**polyculture, monoculture, integrated fish farming,**

**Practical**

**5. Intensive fish farming, semi intensive farming, extensive**

**fishing.**

**6. Water quality: meaning, conditions of water quality that**

**promote good health of fish survival.**

**Practical.**

**7. Water quality: dissolved oxygen, turbidity, pH, temperature,**

**conductivity.**

**practical.**

**8. Methods of monitoring water quality.**

**Use of dissolved water meter.**

**Wrinkler.**

**Use of pH meter.**

**9. Optimum parameters.**

**10. How to increase oxygen in the pond.**

**Use of oxygen pump.**

**Beating the water top with paddle.**

**Making rowing movements to create water current.**

**Add fresh water.**

**Change the water.**

**11. Revision.**

**12. Examination.**

**REXCHRISTUS COLLEGE, KUBWA**

**LESSON PLAN FOR WEEK TWO LESSON PERIOD TWO ENDING 20TH SEPTEMBER, 2024**

| **SUBJECT: Fisheries** |  |
| --- | --- |
| **Theme**  **Date**  **Class**  **Time**  **Duration** | FISH POND  18th September, 2024  SS 2  11:50\_12 :30  40 minutes |
| **Unit Topic**  **Lesson Topic** | **HAPPA WOODEN VAT AND RACEWAY.**  **OTHER CULTURING FACILITIES** |
|  |  |
| **Instructional Objectives**      **Instructional Resources** | At the end of the lesson, the students should be able to  1. describe a happa culture system.  2. explain wooden vat as a culture system.  3. discuss raceway culture system.  Samples and charts of other culturing facilities. |
|  |  |

| **STAGES/STEPS** | **TEACHER’S ACTIVITIES** | **STUDENTS ACTIVITIES** | **MODE** |
| --- | --- | --- | --- |
| **PRESENTATION** |  |  |  |
| **STEP 1 (PRESENTATION OF PRIOR IDEAS)** | The teacher identifies the students previous ideas by asking the following question.  1. Describe a tank culture system.  2. Explain pen as a culture system.  3. Discuss cage culture system. | The students recall. | Individual |
| **STEP 2 (EXPLORATION)** | The teacher urges the students to explore the lesson using the following questions.  1. Describe a happa culture system.  2. Explain wooden vat as a culture system.  3. Discuss raceway culture system. | The students respond to the questions. | Entire class |
| **STEP 3 (DISCUSSION)** | The teacher leads the students on the discussion as follows.  **1. HAPPA CULTURE SYSTEM.**  The teacher starts by describing a happa culture system as a hatchery materials for nurserying fish.  The teacher prompts the students to share their own knowledge of a happa culture system, encouraging active participation and critical thinking.  **2. WOODEN VAT CULTURE SYSTEM**  Moving on to wooden vat culture system, the teacher utilizes instructional materials to showcase the practical applications of wooden vat culture system as culture facility for rearing fish although the wood is covered with water proof to prevent water leakage.  By involving the students in this discussion, the teacher fosters a collaborative learning environment where different perspectives are valued.  **3. RACEWAY CULTURE SYSTEM**  Delving deeper into the topic, the teacher discusses the concept of a raceway culture system as a rectangular basin or canals constructed with concrete for rearing fish.  After the teacher's discussion, the students are encouraged to articulate their own understanding of what constitutes a raceway culture system, promoting individual reflection and comprehension. | The students describe happa culture system.  The students explain wooden vat culture system.  The students discuss raceway culture system.  . | Individual  Individual  Entire class |
| **STEP 4 (APPLICATION)** | As students, which type of culturing facilities will you prefer for nursing of fingerlings? |  |  |
| **STEP 5 (EVALUATION)** | The teacher evaluates the level of students understanding by asking the following questions.  1. Describe a happa culture system.  2. Explain wooden vat as a culture system.  3. Discuss raceway culture system. | The students answer the questions. | Entire class |
| **CONCLUSION** | The teacher summarizes the basic lesson on the board and answers their questions. |  |  |
| **ASSIGNMENT** | Discuss in details happa culture system. |  |  |
| **REFERENCE** | Udofia Elizabeth etal' (2022) Fisheries For Senior Secondary Schools, Book 2. By University Press Limited.  Abiodun KS. (2022) Essential Fisheries For Senior Secondary Schools. By Tonad Publishers Limited. |  |  |

**HOD’S COMMENT: CATHERINE OCHUKO**

**HOD’S SIGN:**

**DATE:**