



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER EXAMINATIONS
MAIN EXAMINATION**

**FOR THE DEGREE OF B.Sc. IN:
FISHERIES AND AQUACULTURE**

COURSE CODE: AAF 416

COURSE TITLE: FISH SEED AND LARVAL PRODUCTION

DATE: 26.7.22

TIME: 2 hours

INSTRUCTIONS

Answer ALL questions in section A and ANY TWO questions in Section B. Correct and well-illustrated answers will earn you full marks.

Section A

Answer ALL questions. All Questions carry equal marks. Correct and well illustrated answers will earn you full marks. Each Question carries **3 marks**.

1. Describe briefly the complications involved in collecting fish seed from the wild.
2. Describe briefly some measures of controlling cannibalism in fish at the hatchery.
3. Explain the importance of screening all inlets to fish ponds at a fish farm.
4. Describe briefly the importance of common salt in transportation of live fish.
5. Explain the preference of using seine nets over gill nets in fishing of fish seeds from the wild.
6. Explain the importance of growth rate a production phenotype of farmed fish.
7. Explain the effect of a large number of brood stock on the quality of farmed fish at the hatchery.
8. Describe optimal conditions for rearing catfish fry at a nursery.
9. Describe the effects of inbreeding in brood stock at a hatchery.
10. Describe briefly any three advantages of sourcing fish from the wild.

SECTION B: Answer any two questions (10 marks)

11. Discuss the effects of feral fish on brood stock at the hatchery (20 marks).
12. Discuss the strategies for controlling inbreeding in farmed fish (20 marks).
13. Discuss the major factors to consider during establishment of brood stock at the hatchery (20 marks).