



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**THIRD YEAR SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN ANIMAL SCIENCE**

**2019/2020 ACADEMIC YEAR
REGULAR**

COURSE CODE: AAS 3326

COURSE TITLE: Fish farming and production

EXAM VENUE:

STREAM: BSc. Animal Science

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]

Answer ALL questions from this Section.

1. Sketch a typical bony fish, then label its external features. (5marks)
2. Name two types of scales in bony fish. (2marks)
3. Describe gaseous exchange in tilapia species. (3marks)
4. List three desirable characteristics for culture fish species (3marks)
5. Describe ways in which you can apply manure in the fish pond. (3marks)
6. Outline the significance of broodstock selection in production. (2marks)
7. Describe two methods of obtaining single sex fish in farms. (4marks)
8. Describe three factors that influence the growth and survival of catfish Fingerlings. (6marks)
9. Outline two factors that influence choice of fish for production. (2marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

10. Describe the routine in fish harvesting in local farms. (20 marks)
11. Discuss four factors to consider when selecting a good pond site. (20marks)
12. Discuss signs and symptoms that are indications of high stress or ill health in a fish population. (20marks)
13. Describe the records and discuss six important aquaculture parameters for recording keeping. (20 marks)