



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
SECOND YEAR EXAMINATION FOR THE AWARD OF THE
DIPLOMA IN FISHERIES AND AQUACULTURE
FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

FIAQ 0203: FISHERIES MANAGEMENT

STREAM: Y2 S1

TIME: 2 HOURS

DAY: TUESDAY, 3:00 P.M – 5:00 P.M

DATE: 13/12/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer Question ALL Questions in section A (Compulsory) and any other TWO Questions in section B.***

SECTION A: 40 MARKS

- Define the following terms as applied in fisheries:
 - Capture fisheries
 - fisheries manager
 - Fisheries researcher
 - Single species fishery
 - Multi-species fishery
 - Fisheries management (6 marks)
- Explain the importance of fisheries in an economy of a country.(4 marks)
- With well-illustrated examples show how cultural norms and values have contributed to the sustainable management of fisheries resources in Kenya. (6 marks)
- State some of the challenges that are experienced in the management of fisheries at a global, regional and local levels. (4 marks)
- Explain briefly some of the fisheries management tools and measures for the management of capture fisheries. (5 marks)

6. State the four goals and their application in fisheries management (6 marks)
7. Man is the major agent of land degradation. How true is this statement? (5 marks)
8. Fisheries is a renewable resource. Explain. (4 marks)

SECTION B: 30 MARKS

9. In most occasions the fisheries manager remains either unaware of the state of the resources, or fails to act sufficiently as the fisheries slip further and further into decay and crisis, or both. What are some of the reasons for such an occurrence? (15 marks)
10. The *Oreochromis niloticus* fishery of Lake Baringo has recorded <5% of the total fish landings at the beaches for the last one decade. It reaches sexual maturity at an average Total Length (TL) of 8.0 cm. What are some of the management interventions/strategies you can propose for its recovery and sustainable exploitation? (15 marks)
11. Give an account of bio economic and social factors that can influence the formulation and implementation of fisheries management strategies. (15 marks)