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**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND
TECHNOLOGY (SAVET)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**MAIN EXAMINATION FOR
BACHELOR OF SCIENCE IN FISHERIES AND AQUACULTURE**

COURSE CODE: AAF 317

COURSE TITLE: FISH VESSEL AND GEAR TECHNOLOGY

DATE: 12.04.2023

TIME: 8-10AM

INSTRUCTIONS TO CANDIDATES

This paper is divided into two sections, **A and B**. Answer ALL Questions in SECTION A and any Two in SECTION B

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

1. Define a fishing gear (2 marks)
2. State any six classes of fishing gears giving the basis of each classification (6 marks)
3. Discuss the active fishing methods applied in open sea fishing in the East African coastline (5 marks)
4. a) Describe the features of a fishing hook (3 marks)
b) Explain the size selectivity of a hook (2 marks)
5. Describe the use of FADS in open sea fishing (4 marks)
6. Which advantages would you use to convince an investor who wants to use modern methods of locating fish? (5 marks)
7. Explain the roles of fishing accessories commonly used during fishing expeditions (4 marks)
8. What are the Environmental impacts that hanging ration can pose on the sensitivity of a gill net? (5 marks)
9. Describe the Principal mechanism of fish capture. (4 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (30 MARKS)

10. Discuss the Environmental impacts of bottom trawling method of fishing. (15 Marks)
11. Discuss the modifications in modern fishing gears that achieves ecosystem conservation objective. (15 marks)
12. Discuss the features of modern fishing vessels that enhances the stability of a fishing vessel operations. (15 marks)