



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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER EXAMINATIONS
MAIN EXAMINATION**

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

COURSE CODE: AAF 415

COURSE TITLE: CURRENT TOPICS IN AQUACULTURE

DATE: Friday 8th February 2019

TIME: 8 -10 AM

INSTRUCTIONS TO CANDIDATES

Answer ANY FIVE questions

1. Discuss the factors that make tilapias a leading species in aquaculture (14 marks).
2. Discuss current innovations in fish feed formulation and technology (14 marks).
3. Discuss the genetic improvement in salmonids (14 marks).
4. Give an account of the challenges facing Aquaculture in Kenya (14 marks).
5. Discuss the factors contributing to the rise of China as a leading global aquaculture producer (14 marks).
6. Discuss seed production and distribution systems in *Pangasius* catfish aquaculture in Asia: lessons for the Kenyan aquaculture (14 marks).
7. Discuss the environmental factors influencing sex determination in tilapias (14 marks).
8. Discuss current innovations in fish health management in tropical aquaculture (14 marks).
9. Discuss the challenges and opportunities in production of adequate and high quality fish seed for aquaculture in the tropical areas (14 marks).
10. Discuss the application of genetic principles in Aquaculture production (14 marks).