



SOUTH EASTERN KENYA UNIVERSITY

UNIVERSITY EXAMINATIONS 2014/2015

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN FISHERIES MANAGEMENT AND
AQUACULTURE TECHNOLOGY.**

WFA 302: FISHERIES AND MARICULTURE

DATE: 16th APRIL 2015

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

(a) Answer **ALL** the Questions in Section A

(b) Answer **ANY THREE** Questions in Section B

SECTION A (40 MARKS)

1. Describe the feeding habits of gastropods (5 marks)
2. Describe the reproductive strategies of cephalopods (5 marks)
3. State five distinguishing taxonomic features used in the systematics of crustaceans (5 marks)
4. Describe the life history and behavior of the genus *Sacculina* (5 marks)
5. Explain the following statement. 'Pollution is one of the challenges facing shellfish trade' (5 marks)
6. Outline the basic biological principles of shellfish aquaculture (5 marks)

SECTION B (60 MARKS)

7. a) Giving specific examples, explain the commercial importance of mollusks (10 marks)
 (b) Discuss the global trends in shellfish fisheries (10 marks)
8. a) Describe the reproductive strategies in bivalves (10 marks)
 b) Discuss the status of mariculture in Kenya (10 marks)
9. Discuss either
 (a) Abalone farming in South Africa or
 (b) Mud crab farming in the Philippines or
 (c) Prawn farming in Singapore (20 marks)