



(Knowledge for Development)

KIBABII UNIVERSITY **UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR** FOURTH YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY, BACHELOR OF SCIENCE IN BIORESOURCE MANAGEMENT AND BACHELOR AGRICULTURE EDUCATION AND **EXTENSION**

COURSE CODE:

SZL 421

COURSE TITLE:

FISH AND FISHERIES

DATE: 12th October, 2018.

TIME: 11:30 – 1:30 p.m.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1.

a) Explain three modes of feeding found in fish	5marks
b) Explain the various forms of teeth found in fish	4marks
c) Differentiate between physoclistous and physostomous fish. Give one example for each type	3marks
d) State three differences between Elasmobranchs e.g. sharks and Actinopterigii e.g. Tilapia	3marks
e) Discuss three suggested functions of vertical migrations	3marks
f) How does metabolic rate of a fish vary with ambient oxygen supply	4marks
g) Describe how one would determine the condition k of a given fish	4marks
h) Differentiate between determinate and indeterminate growth	4marks
2. Describe the methods used to determine fish growth	20marks
3. Describe the ideal model of fish involved in horizontal migrations	20marks
4. Discuss the types and importance of parental care in fish	20marks
5. Discuss any five fish culture techniques.	20marks

i.