



FreeExams.co.ke

**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



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 Actinopterygii 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