



“Investing in Africa’s Future”

COLLEGE OF HEALTH AGRICULTURE AND NATURAL SCIENCES

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES

AWL 304: FRESH WATER ECOLOGY AND FISHERIES MANAGEMENT

END OF FIRST SEMESTER EXAMINATIONS

APRIL/MAY 2019

LECTURER: MS M. C. KUREHWATIRA

DURATION: 3 HRS

INSTRUCTIONS

Answer any 4 questions

Question 1

- a) What do you understand by ecosystem based fisheries management? **[12 marks]**
- b) What are the major constraints to successful fisheries management? **[13 marks]**

Question 2

Describe giving examples the importance of freshwater ecosystems Africa. **[25 marks]**

Question 3

- a) With the aid of diagrams, describe the following:
- b) Lake Zones, **[9 marks]**
- c) Lake Stratification and **[6 marks]**
- d) River continuum concept. **[10 marks]**

Question 4

Discuss giving examples how human beings are threatening freshwater ecosystems. **[25 marks]**

Question 5

Discuss the effects of damming rivers on freshwater ecosystems and how these effects can be mitigated. **[25 marks]**

Question 6

- a) Describe giving examples lotic and lentic ecosystems. **[15 marks]**
- b) Describe the four categories of fresh water organism. **[10 marks]**

END OF EXAMINATION PAPER