



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR THE
DEGREE OF BACHELOR OF SCIENCE IN FISHERIES AND
AQUACULTURE AND BACHELOR OF SCIENCE IN AQUATIC
RESOURCE CONSERVATION & DEVELOPMENT
WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

AFN 310: ENDANGERED SPECIES CONSERVATION

Date: 19th June, 2017

Time: 8.30 - 11.30am

INSTRUCTIONS:

- Answer ALL Questions in section A and Question 9^f, any other THREE in section B.
- Illustrate your answers with well labeled diagrams where appropriate.

SECTION A (40MKS)

ANSWER ALL QUESTIONS IN THIS SECTION, EACH QUESTION IS FIVE MARKS(5MKS)

1. Outline the aim of wildlife conservation. 5mks
2. Briefly comment on the impacts of thermal stratification on phytoplankton's and nutrient dynamics in the continental shelf. 5mks.
3. With reference to sharks and cetaceans, outline the problems facing marine life. 5mks.
4. Distinguish between captive breeding and private breeding. 5mks
5. Outline the roles of the following:
 - i. The World Wildlife Fund (WWF). 3mks
 - ii. International Union for conservation of Nature (IUCN). 2mks
6. Briefly comment on the steroids impacts and flood basalts as causes of mass extinctions. 5mks
7. Briefly outline the causes and effects of habitat fragmentation. 5mks
8. Inadequate protection is a threat to sea life. Briefly comment on this statement. 5mks

SECTION B:

ANSWER QUESTION 9 (COMPULSORY) 9MKS, AND ANY OTHER THREE QUESTIONS IN THIS SECTION, EACH QUESTION IS SEVEN MARKS (7 MKS)

9. Discuss the impacts of climate change on marine organisms and ecosystems. 9mks
10. Briefly comment on the following ecological impacts of eutrophication in oceanic waters. 7mks
 - i. new species invasion
 - ii. toxic effects.
11. Discuss wildlife management with reference to: (7mks)
 - i. Single species approach
 - ii. Ecosystem management.
12. Noise pollution is a threat to marine environment. Discuss this statement. 7mks
13. Discuss the conservation measures being undertaken in the management of endangered species. 7mks.