



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2018/2019 ACADEMIC YEAR**

**FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM & NRM**

**BACHELOR OF WILDLIFE MANAGEMENT**

**COURSE CODE: WLM 464**

**COURSE TITLE: CONTEMPORARY ISSUES IN  
WILDLIFE CONSERVATION**

**DATE: 24<sup>TH</sup> APRIL 2019**

**TIME: 0830 – 1030 HRS**

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**INSTRUCTIONS TO CANDIDATES**

Answer **All** the Questions in Section A and any **THREE** IN SECTION B

*This paper consists of **TWO** printed pages. Please turn over.*

**SECTION A: ANSWER ALL QUESTIONS [25 marks]**

- 1) What are the factors (both climate related, and non-climate related) that lead to rising or falling ocean levels? Explain the difference between eustatic and isostatic changes **[5 marks]**
- 2) Outline five mechanisms that can be employed to ensure effective management of trans-boundary resources **[5 marks]**
- 3) How does habitat fragmentation contribute to species extinction? **[5 marks]**
- 4) Outline the uses of biotechnology in wildlife management **[5 marks]**
- 5) What are good predictors of successful species invasion? **[5 marks]**

**SECTION B: ANSWER ANY THREE QUESTIONS (45 MARKS)**

- 6) Discuss how island size and distance from mainland affect species colonization and extinction and how this relates to habitat islands such as forest fragments **[15 marks]**
- 7) Provide a detailed account of the applications of biotechnology in wildlife management **[15 marks]**
- 8) Discuss how invasive species affect native wildlife and ecosystems? **[15 marks]**
- 9) Identify species groups most affected by global climate change and discuss why they are more susceptible **[15 marks]**

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