



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY

SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
BIOLOGICAL SCIENCES**

FOURTH YEAR FIRST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN CAMPUS - REGULAR

COURSE CODE:	SBI 3436
TITLE:	CONSERVATION AND UTILIZATION OF BIOLOGICAL RESOURCES
EXAM VENUE:	STREAM: (BIO)
DATE:	EXAM SESSION:
TIME: 2 HOURS	

Instructions:

- 1. Answer ALL questions in Section A and Any two questions in Section B**
 - 2. Candidates are advised not to write on question paper**
 - 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**
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SECTION A: SHORT ANSWER QUESTIONS (30 MARKS)

1. Describe three reasons that make conservation biology a crisis discipline. (3 Marks)
2. Describe three goals of conservation biology. (3 Marks)
3. Explain why most biodiversity are concentrated in tropical regions. (3 Marks)
4. Describe any three ecological services. (3 Marks)
5. With reference to a Kenyan example, describe the Tragedy of the Commons. (3 Marks)
6. Describe the mandate of the International Union for Conservation of Nature. (3 Marks)
7. Describe any three reasons for conserving biodiversity. (3 Marks)
8. Describe keystone species giving specific examples. (3 Marks)
9. Describe the objectives of the Conservation for Biological Diversity (3 Marks)
10. Define sustainable biodiversity management. (2 Marks)

SECTION B: ESSAY QUESTIONS (40MARKS)

11. Ecosystem Services are essential for human well-being. Discuss (20 Marks)
12. Discuss the different approaches to biodiversity conservation (20 Marks)
13. Discuss the mandate and functions of Kenya Wildlife Service. (20 Marks)
14. Discuss threats to and remedial actions in biodiversity conservation (20 Marks)