



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF SPATIAL PLANNING AND NATURAL RESOURCES MANAGEMENT**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
WATER AND NATURAL RESOURCE MANAGEMENT**

**4<sup>TH</sup> YEAR 2<sup>ND</sup> SEMESTER 2022 JULY EXAMS**

**MAIN CAMPUS (REGULAR)**

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**COURSE CODE: PNB 1405**

**COURSE TITLE: ENVIRONMENTAL CONSERVATION STRATEGIES**

**EXAM VENUE:**

**STREAM: BSCENV.**

**DATE:**

**EXAM SESSION:**

**TIME:**

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**Instructions:**

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**

**Candidates must hand in their answer booklets to the invigilator while in the examination room.**

### **Question One**

- a. Distinguish between ex-situ and in-situ methods of wildlife conservation. (4 Marks)
- b. How does a botanical garden help in environmental conservation? Explain.(5 Marks)
- c. Explain the concept “Tradable Pollution Rights.” (5 Marks)
- d. Explain any Three contributing factors to poor solid waste management in Kenya (6 Marks)
- e. Using examples, differentiate between provision and regulating ecosystem. (10 Marks)

### **Question Two**

With the aid of examples, discuss how culture and heritage has been used in Kenya to conserve the environment. (20 Marks)

### **Question Three**

Explain any Ten Mandates of the Kenya Wildlife Service (KWS) that helps in promoting environmental conservation. (20 Marks)

### **Question Four**

- a. Explain the role of gender on environmental conservation (10 Marks)
- b. Ignorance and greed has contributed negatively to environmental conservation. Using examples discuss this statement.(10 Marks)

### **Question Five**

- a. Explain the waste management hierarchy (10 Marks)
- b. Discuss economic incentives as tools for environmental protection. (10 Marks)