



**JARAMOGI OGINGA ODINGA UNIVERSITY UNIVERSITY OF SCIENCE AND TECHNOLOGY
ISO 9001:2015 CERTIFIED**

**3RD YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN
WATER RESOURCE MANAGEMENT**

CODE: PNB 1302

TITLE: ENVIRONMENTAL EDUCATION AND EXTENTION

DATE: 22/4/2025

TIME: 2 HOURS

DURATION: 9.00-11.00

VENUE: LR 10

INSTRUCTIONS: Answer question ONE and any TWO questions from section B

JOOUST OBSERVES ZERO TOLERANCE TO EXAM CHEATING

- Q1. a) Explain the meaning of Environmental Education [5 marks]
b) Describe the indigenous conservation measures used to ensure sustainability [5 marks]
c) Explain common environmental issues in urban settlements in Africa today [8 marks]
d) Classify natural resources [4 marks]
e) Explain factors influencing the effects of pesticides on human health [8 marks]
- Q2. a) Explicitly discuss the concept of “the tragedy of the commons” giving appropriate Examples in a Kenyan context [12 marks]
b) Describe the institutional arrangement for environmental law in management and conservation of the environment in Kenya [8 marks]
- Q3. a) Discuss the negative consequences of unsustainable agriculture in Kenya and remedy for Its sustainability [10 marks]
b) Outline the impacts of rapid population growth in rural and urban Environments [10 marks]
- Q4. a) Discuss the natural resources in Kenya and threats to their depletion [10 marks]
b) Describe the pillars of sustainable development [10 marks]
- Q5. a) Discuss the impacts of Global Warming to precipitation, agriculture, health and society [12 marks]
b) Describe the Environmental effects of pesticide use [8 marks]

END