



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF SPATIAL PLANNING**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN**  
**SPATIAL PLANNING**  
**SEMESTER 2018/2019 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

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**COURSE CODE: PES 3121**

**COURSE TITLE: BASIC CONCEPTS IN ENVIRONMENT AND DEVELOPMENT**

**EXAM VENUE:**

**STREAM: SPATIAL PLANNING**

**DATE: 25/4/19**

**EXAM SESSION: 12.00 – 2.00PM**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer question 1 ( compulsory ) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

### QUESTION 1

- a) Explain how sustainable development differs from the traditional concept of development [6Mks]
- b) Is sustainable development a mirage or a reality? Explain your answer. [4Mks]
- c) Explain the role of environment in the development process [4Mks]
- d) Briefly explain why there has generally been a sharp decline in crude death rates in many countries in the recent past [6Mks]
- e) What dangers does rapid intensification of agriculture in the developing countries pose to the environment [6Mks]
- f) Explain the meaning of “carrot” and “stick” market based approaches in ensuring sustainable development giving examples in each case. [4Mks]

### QUESTION 2

- a) By use of examples, explain any three approaches to development used in Kenya, explaining whether they have failed or succeeded and why [15Mks]
- b) Examine the roles of the following on the changes on the environment.
  - (i) Industrial sector [5Mks]
  - (ii) Rapid population growth [5Mks]

### QUESTION 3

- (a) “Poverty is both a cause and a consequence of environmental degradation” Discuss [10Mks]
- (b) Explain the concept of basic needs, and describe measurement methods you would use in a rural setting like the arid and semi- arid lands (ASALS) of Kenya [10Mks]

### QUESTION 4

- Q.4 After over 50 years of independence, most African countries are going through some of the worst periods in economic development efforts in history.
- a) Review the causes of the deteriorating economic conditions in Africa [14Mks]
  - b) In the context of sustainable development, suggest strategies to improve the situation. [6Mks]

### QUESTION 5

- Q5. Highlight the role (contributions) of the following to the Environmental Movement
- (a) IUCN [14Mks]
  - (b) The Greenbelt movement [6Mks]