



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF SPATIAL PLANNING
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
WATER RESOURCE AND ENVIRONMENTAL MANAGEMENT
SEMESTER 2016/2017 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: PES 3311

COURSE TITLE: ENVIRONMENTAL PLANNING THEORY

EXAM VENUE:

STREAM: SPATIAL PLANNING

DATE:

EXAM SESSION:

TIME: 2 HOURS

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.**

1. (a) Explain the following terms
 - (i) Environmental planning (2 marks)
 - (ii) Theory of planning (2 marks)
 - (iii) Theory in planning (2 marks)
- (b) Differentiate the following
 - (i) Conservation and Preservation of the environment (3 marks)
 - (ii) Coevolution and Coadaptation (3 marks)
- (c) List **five** basic societies and indicate their main source of livelihood (11 marks)
- (d) Explain **four** ecological services which a healthy ecosystem should provide (8 marks)

2. (a) Discuss **four** theories in planning (8 marks)
- (b) Briefly discuss **five** classification of environmental planning (10 marks)
- (c) State **two** effects of environmental planning (2 marks)

- (3). (a) Discuss **five** approaches to planning (10 marks)
- (b) Discuss **five** drivers of environmental politics (10 marks)

- (4) (a) What is indigenous knowledge? (2 marks)
- (b) Discuss how indigenous knowledge is being degraded slowly by slowly in most communities of the world (8 marks)
- (c) How can indigenous knowledge be revitalized in order to attain sustainable development? (10 marks)

- (5) (a) What is the main objective of urban design? (2 marks)
- (b) Discuss five strategies that can be used in realizing objectives of urban design (10 marks)
- (c) Explain four strategies that can be used in realizing cultural identity and neighborhood character (8 marks)