



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 2022/2023 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: PNB1301

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.**

SECTION A (30MARKS)

1. (a) Explain the following terminologies and give appropriate examples (i) A theory
(ii) Environment (iii) Standing plan **(2marks each)**

- (b) (i) Differentiate between coevolution and coadaptation giving appropriate examples **(4 marks)**

- (c) Outline how under drivers-pressures-state-impact-response model, responses can be used to restore the state of a named environment **(6 marks)**

- (d) Which are the ecological services provided by a healthy ecosystem ? **(5 marks)**

- (e) Planners are encouraged to plan with the community. Justify the statement **(5 marks)**

- (f) What are the limitations of planning? **(4marks)**

SECTION B (40 MARKS)

2. (a) Discuss five approaches to planning **(15 marks)**

- (b) Enumerate **five** features of planning **(5 marks)**

3. (a) Discuss the drivers of environmental politics and the basic sources of cultural dynamics **(15 marks)**

- (b) Outline the importance of updating existing plans **(5 marks)**

4. (a) What is the main objective of urban design? **(10 marks)**

- (b) Discuss five strategies that can be used to realize objectives of urban design **(10 marks)**

5. Explain four strategies that can be used to realize cultural identity and neighborhood character **(20 marks)**