



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF SPACIAL PLANNING AND NATURAL RESOURCES MANAGEMENT
UNIVERSITY EXAMINATION FOR THE DEGREE OF ARTS IN PLANNING.**

**4th YEAR 2nd SEMESTER 2024/2025 ACADEMIC YEAR
MAIN CAMPUS**

COURSE CODE: PPB 1414

COURSE TITLE: Green and Brown Agenda in Planning

DATE: 16/4/2025

TIME: 9.00-11.00

DURATION: 2HOURS

VENUE: LAB 10

Instructions:

- 1. Answer ALL questions in Section A and any TWO questions in section B**
- 2. Use the answer booklet provided.**

SECTION A: ANSWER ALL QUESTIONS. (30MARKS)

1. (a) What are **the three** spheres of development that should be considered while getting to the point of sustainable development? **3marks**
- (b) Critique polluter pays principle **(3marks)**
- (c) What is Green Growth and why is it required in planning of the 21st century and beyond? **(2marks)**
- (d) What are the **four essentials** of green growth strategy **(4marks)**
- (e) List **four** themes of CDS according to World Bank **(4marks)**
- (f) Why is there real need to consider mainstreaming green and brown agenda in annual development plans? **(1mark)**
- (g) Name **two** broad sets of policies which are necessary for any green growth strategy. **(2marks)**
- (h) How does green growth affect employment both in first and third world countries? **(2marks)**
- (i) Differentiate characteristics of green and brown agenda under the following **(timing and scale) 4marks)**
- (j) During public participation, the convener has given you (the planner) five minutes to educate the local community members on the importance of conserving the ecosystems for sustainability. Use the chance to mainstream green and brown agenda in sustainable development **(5marks)**

SECTION B: ANSWER ANY TWO QUESTIONS (40MARKS)

- 1.(a) Discuss five key declarations which were made during the Rio summit of 1972 and explain how each declaration has been domesticated in Kenya **(10marks)**
 - (b) Discuss sources of clean energy which can be exploited to reduce the concentration of greenhouse gases in the atmosphere? **(10marks)**
2. (a) Discuss four indicators which Organization for Economic Co-operation and Development (OECD) Framework uses to monitor progress towards the achievement of green growth **(10marks)**
 - (b) Eco-Efficiency Indicators **(EEI)** is particularly envisioned to respond to the different challenges of sustainability in the context of attaining both economic and ecological goals. Discuss the challenges and suggest ways of overcoming them in planning. **(10marks)**
3. (a) Discuss five barriers to renewable energy development in Kenya and suggest strategies of addressing them **(10marks)**
 - (b) Discuss five different types of monitoring and evaluation and show their relevance to a named project **(10marks)**