



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF SPATIAL PLANNING
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SPATIAL
PLANNING AND DESIGN AND BACHELOR OF SCIENCE IN WATER RESOURCE AND
ENVIRONMENTAL MANAGEMENT
SEMESTER 2022/2023 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: PNB1407

COURSE TITLE: SUSTAINABLE DEVELOPMENT

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.**

QUESTION ONE

Question 1

- a) Explain Sustainable Development and its importance to planning. (5 marks)
- b) Explain any **five** key indicators used in measuring Sustainable Development (5 marks)
- c) Explain the major Pillars of Sustainability (5 marks)
- d) Explain any **two** parameters that interlink environment and development to sustainability (5 marks)
- e) Explain any **five** parameters of sustainable development (5 marks)
- f) Explain the importance of any **five** Sustainable Development Goals (SDGs) (5 marks)

Question 2

- (i) Compare and contrast Strong versus Weak theories of sustainability (10 marks)
- (ii) Explain how Kenya has mainstreamed the Sustainable Development concept into her development agenda (10 marks)

Question 3

Discuss the principles of sustainable development and their relevance in contemporary society

(20 marks)

Question 4

Discuss the relationship between Sustainable Development and the following fields:

- (a) Globalization (10 marks)
- (b) Technology (10 marks)

Question 5

Discuss the role of 'precautionary principle' as a minimum standard in guiding the implementation of Sustainable Development agenda (20 marks)