



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF SPATIAL PLANNING**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF ARTS IN**  
**PROJECT PLANNING AND MANAGEMENT**  
**SEMESTER 2022/2023 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

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**COURSE CODE: APP 805**

**COURSE TITLE: PLANNING PRINCIPLES AND TECHNIQUES**

**EXAM VENUE:**

**STREAM: SPATIAL PLANNING**

**DATE:**

**EXAM SESSION:**

**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.**

Q1. Discuss the plan preparation process based on the following thematic areas:

- a) The Social setting (5 Marks)
- b) The Economic setting (5 Marks)
- c) The Infrastructural setting (5 Marks)
- d) The Institutional Framework (5 Marks)

Q2. With illustrations discuss the following Development Control Principles for liveable cities in Kenya

- a) Economy (5 Marks)
- b) Conservation (5 Marks)
- c) Access (5 Marks)
- d) Efficiency (5 Marks)

Q3. Explain the guiding principles for location of the following.

- a) Manufacturing areas (10 Marks)
- b) Residential communities (10 Marks)

Q4. a) With relevant examples, discuss the classifications of data that you would require for any project planning exercise. (10 Marks)

c) Discuss your understanding of physical site surveying in project planning. (10 Marks)

Q5. Discuss the following planning techniques as applied in project planning in Kenya today?

- a) SWOT Analysis (7 Marks)
- b) Cost Benefit Analysis (6 Marks)
- c) Participatory Planning (7 Marks)