



**THE TECHNICAL UNIVERSITY OF KENYA**  
**SCHOOL OF ARCHITECTURE AND BUILT ENVIRONMENT**

**Department of Spatial Planning and Design**

**Bachelor of Built Environment in Urban and Regional Planning**  
**Bachelor of Built Environment in Urban Design and Development**

**Year III Semester I MAIN EXAMINATION**

**EAPQ 3135: PRINCIPLES AND TECHNIQUES OF URBAN PLANNING**

**EAPR 3135: PRINCIPLES AND TECHNIQUES OF URBAN PLANNING**

**Time: 2hours**

**INSTRUCTIONS TO CANDIDATES**

**Answer All Questions from Section A and any other Two Questions of Your Choice from Section B in the Answer Booklet Provided. Start each Question in a Fresh Page.**

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Answer 3 Questions. Question One from Section A and any other Two Questions of your choice from Section B.

Section A: compulsory (30 marks)

Question One (COMPULSORY QUESTION)

- a. Explain using examples, FIVE principles that guide a planner during urban planning process (10 Marks)
- b. Explain the following as applied in urban planning
  - i. Zoning (2 Marks)
  - ii. Urban renewal (2 Marks)
  - iii. Urban conservation (2 Marks)
  - iv. Gentrification (2 Marks)
  - v. Urban decay (2 Marks)
- c. Briefly explain the data needed in preparing urban plans while indicating their source. (10 Marks)

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Section B: Answer any two Questions (40 marks)

**Question TWO**

Illustrate and explain the steps followed in urban planning process (20 Marks)

**Question THREE**

Identify and discuss in detail the various components of structure plans (20 marks)

**Question FOUR**

- a. Your neighborhood is experiencing urban decay. Briefly discuss the factors that could have contributed to urban decay in your study area. (10 marks)
- b. As a planner or as an urban designer, illustrate the techniques you would use to appropriately solve the challenge (10 marks)

**Question FIVE**

Planning standards have been developed for use in urban planning to achieve livable urban environments. Describe standard consideration when planning for the following:

- i. Solid waste disposal sites (5 marks)
- ii. Parks, forests and urban agriculture (5 marks)
- iii. Social amenities (5 marks)
- iv. Bus terminals (5 marks)