



ZIMBABWE EZEKIEL GUTI UNIVERSITY
COLLEGE FOR LIFELONG LEARNING.

Faculty of Artefactual Design & Futures.

EXAMINATION PAPER

COURSE CODE : **DSDM112.**
COURSE TITLE : **Smart Planning Techniques and Methods.**
SPECIAL REQUIREMENTS : **NONE**
DURATION : **2 Hours**
LEVEL : **1.1**
DATE : **09 JUN 2025**

INSTRUCTIONS TO CANDIDATES:

1. No cell phones are allowed in the examination venue.
2. Question 1 (Section A) is compulsory. In Section B, choose and answer any Three (3) questions.
3. The number of marks for each question or part question is shown in brackets []
4. Use relevant examples to support your answers.
5. Begin each answer on a new page.
6. **DO NOT OPEN THIS PAPER UNTIL THE INVIGILATOR INSTRUCTS YOU.**

SECTION A. COMPULSORY QUESTION

QUESTION 1.

1. Outline three methods that can be utilized during each of the following phases of problem formulation:

i.) issue exploration [8 marks]

ii.) issue filtering [8 marks]

iv.) issue clarification [9 marks]

SECTION B.

a) Discuss the significance of unstructured observation, contextual inquiry, and informal investigation in active issue exploration. **[5 Marks]**

b) Assess the effectiveness of three evaluative methods of your choice in problem recognition and clarification. **[15 Marks]**

QUESTION 2.

a) Discuss the importance of data-driven decision-making, scenario planning, and participatory planning in smart urban development. **[5 Marks]**

b) Evaluate the utility of three analytical frameworks of your choice in enhancing planning effectiveness. **[15 Marks]**

QUESTION 3.

a) Discuss the relevance of planning strategies in urban development **[25 Marks]**.

QUESTION 4

Assess the utility of the following planning tools:

- i. Problem tree diagram (9 marks)
- ii. Thematic mapping
- iii. Weighted and unweighted matrices

QUESTION 5

Evaluate the utility of the following development projects implementation tools:

- i. Critical Path Analysis
- ii. Gantt Chart
- iii.

QUESTION 6

Explain the application of any three techniques that are used during evaluation stage.
[25 marks]

END

1/0AM