



ZIMBABWE EZEKIEL GUTI UNIVERSITY
COLLEGE FOR LIFELONG LEARNING.

Faculty of Artefactual Design & Futures.

EXAMINATION PAPER

COURSE CODE : **DSDM113**
COURSE TITLE : **RESEARCH METHODS FOR SMART HUMAN
SETTLEMENTS PLANNING AND DESIGN**
SPECIAL REQUIREMENTS : **NONE**
DURATION : **2 Hours**
LEVEL : **1.1**
DATE : **10 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 Two (2) 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**

SECTION A. COMPULSORY QUESTION

QUESTION 1

1. Explain the concept of sustainable urban design and how research methods support its implementation.

SECTION B

2. Outline any three techniques which can be used during each of the following stages of problem structuring:
 - i.) issue searching [8 marks]
 - ii.) Issue filtration [8 marks]
 - iii.) Issue definition [9 marks]
3. Discuss best practices for presenting research findings to diverse stakeholders in smart human settlements planning.
4. Define the term "sampling bias" and explain how it can affect research outcomes in human settlements studies.
5. How can time series analysis be used to monitor changes in urban traffic flow?

1/0 Pm