



# ZIMBABWE EZEKIEL GUTI UNIVERSITY

---

## FACULTY OF HERITAGE, HUMANITIES AND SOCIETAL ADVANCEMENT

---

DEPARTMENT OF DEVELOPMENT, PROGRAMMING AND MANAGEMENT

### EXAMINATION PAPER

Diploma in Humanitarian Aid and Disaster Management

Part 1 Semester 2

**COURSE CODE** : DHAD125  
**COURSE TITLE** : GIS for Disaster Management  
**DURATION** : 2 Hours  
**DATE** : 13 JUN 2025

#### INSTRUCTIONS TO CANDIDATES:

1. Answer any 2 questions.
2. Each question carries 25 Marks.
3. Start each question on a new page of your answer sheet.
4. Use relevant examples or case studies in answering your questions.

1. Define the role of Geographic Information Systems (GIS) in disaster management and provide two examples of its applications in different disaster phases (e.g., preparedness, response, recovery).
2. Explain how remote sensing data can be integrated with GIS for effective disaster monitoring. Provide one example of a disaster where this integration proved critical.
3. Describe the importance of spatial data accuracy and resolution in disaster risk assessment. How can errors in data impact decision-making during emergencies?
4. Critically evaluate the ethical considerations of using GIS in disaster management, such as data privacy, accessibility for vulnerable populations, or potential misuse of information.
5. Discuss how emerging technologies (e.g., AI, IoT, UAVs/drones) are enhancing GIS applications in disaster management. Provide one specific innovation and its potential impact.

**End of Exam**

3/3 PM