



**COLLEGE OF HEALTH, AGRICULTURE & NATURAL  
SCIENCES**

**NANE205: DISASTER PREPAREDNESS, MANAGEMENT &  
MITIGATION**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**APRIL 2023**

**LECTURER: MS. B. BOLO**

**DURATION: 3 HOURS**

---

***INSTRUCTIONS***

Do NOT write your name on the answer sheet.

Answer (fully) questions.

Begin your answer for each question on a new page.

Credit is given for neat, well-written and lucid work.

## SECTION A [COMPULSARY]

### Section A: [50 MARKS]

1. Define risk and preparedness. **(4 Marks)**
2. Explain the difference between hazard and disaster. **(10 Marks)**.
3. What is the difference between natural and technological disaster. **(6 Marks)**.
4. Who are so called none vulnerable during the disaster period and why are they so? **(10 Marks)**
5. Explain in details the disaster cycle (phases) with a diagram. **(20 marks)**

6. Describe a typical application of GIS in an area of your choice. In your description,

7. include a statement of the problem, how the data would be collected, spatially

8. modelled, analysed, and how the results are best presented.

9. Describe a typical application of GIS in an area of your choice. In your description,  
10. include a statement of the problem, how the data would be collected, spatially  
11. modelled, analysed, and how the results are best presented.

**SECTION B [CHOOSE TWO QUESTIONS]**

**Section B: [50 MARKS]**

1. Discuss in details 5 main categories of disasters management resources with examples. **(25 Marks)**.
2. Discuss in details why disaster management is important at present and in the future. **(25 Marks)**.

3. Disaster occurs in many ways, Discuss 5 main types of the disasters with examples in details (25 Marks).
4. Discuss in details with examples 5 technologies that can be used for disaster management .(25 Marks)

5. Give an overview of what GIS is, paying particular attention to: GIS building blocks,

6. components of geographic data, feature spatial relationships, data organization, and GIS

7. capabilities.

8. Give an overview of what GIS is, paying particular attention to: GIS building blocks,

9. components of geographic data, feature spatial relationships, data organization, and GIS
10. capabilities.
11. Give an overview of what GIS is, paying particular attention to: GIS building blocks,
12. components of geographic data, feature spatial relationships, data organization, and GIS
13. capabilities.

14. Give an overview of what GIS is, paying particular attention to: GIS building blocks,
15. components of geographic data, feature spatial relationships, data organization, and GIS
16. capabilities.
17. Give an overview of what GIS is, paying particular attention to: GIS building blocks,
18. components of geographic data,

- feature spatial  
relationships, data  
organization, and GIS  
19. capabilities.
20. Give an overview  
of what GIS is, paying  
particular attention to:  
GIS building blocks,
21. components of  
geographic data,  
feature spatial  
relationships, data  
organization, and GIS  
22. capabilities.
23. Give an overview  
of what GIS is, paying

particular attention to:  
GIS building blocks,  
24. components of  
geographic data,  
feature spatial  
relationships, data  
organization, and GIS  
25. capabilities.