COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

NANE205/NESN302: DISASTER PREPAREDNESS, MANAGEMENT AND MITIGATION

END OF FIRST SEMESTER EXAMINATION
NOVEMBER 2025

LECTURER: MS. B. BOLO

DURATION: 3 HOURS

INSTRUCTIONS

Answer all questions in Section A and any **three** from Section B

Section A carries **40 marks** and each question in Section B carries **20 marks**.

Section A: Answer all questions. [40 marks]

Question 1
 a. Define the term "disaster risk reduction".   [3]
b. State three key differences among hazards, risks and vulnerability.   [9]
c. Briefly explain the importance of early warning systems.   [4]
d. Outline three main objectives of disaster preparedness.   [9]
e. Mention three communication tools used during emergencies.   [3]
f. What is the role of GIS in disaster risk management?   [4]
g. List three challenges faced in disaster response.   [6]
h. State two international organizations that support disaster management initiatives.
                                                                                 [2]

SECTION B (Answer any three questions – 20 marks each)

Question 2

Discuss the historical development of emergency management from its early origins to modern practices.   [20]

Question 3

Explain the key disciplines of emergency management, highlighting each discipline, its objectives, and its role in ensuring effective disaster preparedness, response, recovery, and mitigation. Support your discussion with relevant examples.   [20]

Question 4

Using examples, examine the role of international organizations in emergency management.   [20]

Question 5

Discuss the integration of modern technologies such as Geographic Information Systems (GIS), Unmanned Aerial Vehicles (UAVs), Global Positioning Systems (GPS), and Remote Sensing in emergency management.   [20]

Question 6
Using examples, distinguish natural from man-made disasters.   [20]

END OF QUESTION PAPER!!!