

WOMEN'S UNIVERSITY IN AFRICA



Addressing gender disparity and fostering equity in University Education

FACULTY OF SOCIAL AND GENDER TRANSFORMATIVE SCIENCES

MASTER OF SCIENCE IN DISASTER RISK AND LIVELIHOOD STUDIES

MAIN PAPER

MDLS 123: DISASTER GEO INFORMATION AND LIVELIHOODS

INTAKE 1: FIRST YEAR SECOND SEMESTER

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Answer **two** questions.
2. All questions carry equal marks.

Question 1

Discuss the use of terrain analysis for emergency search and rescue operations after a tropical cyclone.

Question 2

Examine the use of satellite imagery and Digital Elevation Model for damage assessment after a major flood.

Question 3

Explore the derivation and potential use of any two Secondary Topographic Attributes for disaster preparedness.

Question 4

Examine how GIScience can aid animal disease surveillance and control.

Question 5

Evaluate the efficacy of overlay analysis in selecting a suitable resettlement area in response to a flooding disaster.

END