

CHUKA



UNIVERSITY

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**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF ARTS IN
GEOGRAPHY**

GEOG 832: GEOGRAPHY INFORMATION SYSTEM AND REMOTE SENSING

STREAMS: MA GEO

TIME: 3 HOURS

DAY/DATE: WEDNESDAY 4/12/2019

11.30 A.M – 2.30 P.M

INSTRUCTIONS

Answer ant three questions

Use sketch maps and diagrams whenever they serve to illustrate an answer

QUESTION ONE

(a) Define map projections and distinguish the three classes of map projections.

[12 marks]

(b) State the sources of data for an environmental geographic information system.

[12 marks]

QUESTION TWO

(a) State how GIS is being utilized in wildlife management and conservation. [10 marks]

(b) Distinguish between vector and raster data models. [10 marks]

QUESTION THREE

Describe how the four components of geographic information system are integrated and how they function.

QUESTION FOUR

In the acute of humanitarian emergency, rapid assessment help to determine the magnitude and severity of the situation, the amount of resources needed as well as the need and feasibility of an intervention. Discuss how GIS and GPS can be used for rapid health assessment. [20 marks]

QUESTION FIVE

Account for development of GIS as a resource management tool.

[20 marks]
