THE STATE UNIVERSITY OF ZANZIBAR (SUZA)

SCHOOL OF NATURAL AND SOCIAL SCIENCE

DEPARTMENT OF SOCIAL SCIENCE

GEOGRAPHICAL INFORMATION SYSTEM (GIS)

MIDTERM TEST (20%)

16th May 2023

TIME: 60 MIN

Answer all Questions

1. Write "True" or "False" for the following statements   (5 marks)

    i.   Reality can be represented in GIS as a series of layers or as objects.

    ii. Human factors influence the success of GIS as a decision support tool.

    iii. Nominal & interval data values are referred to as *qualitative data*

    iv. The 'boundary model' is sometimes also called Topological data model

    v.   Barometric pressure is an examples of geographic field.

2. i.   What is a GIS?   (1.5 marks)

    ii. Mention at least 3 examples of GIS.   (1.5 marks)

3. The Revolutionary Government of Zanzibar has setup the MALARIA project which aims at fight against MALARIA fever, and Shehia of Kikwajuni has been selected as the pilot area. You are hired as Geo-Edu experts in the project, and your assignment is to conduct spatial analysis to identify the potential breeding locations for Malaria mosquitoes.

    i.   What are the potential spatial datasets for your assignment?   (3 marks)

    ii. Which data model format is best for each of the dataset identified in (i) above?   (3 marks)

    iii. Explain the importance of each of the datasets in your assignment   (3 marks)

4. Why primary data are more preferred than secondary data in Geospatial analysis?   (3 marks)

All the Best