



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF HERITAGE, HUMANITIES AND SOCIETAL ADVANCEMENT

DEPARTMENT OF DEVELOPMENT, PROGRAMMING AND MANAGEMENT

EXAMINATION PAPER

Diploma in Geographical Information Systems and Remote Sensing

COURSE CODE : GISRS105
COURSE TITLE : Data collection and data sources
DURATION : 3 Hours
DATE : 11 OCT 2023

INSTRUCTIONS TO CANDIDATES:

1. Answer any **THREE** questions only.
2. Each question carries 25 Marks.
3. Start each question on a new page of your answer sheet.
4. Use relevant examples or case studies in answering your questions

1. Explain the importance of a paper map and its role as a GIS product and data source.
2. With reference to examples, describe and explain the difference between accuracy and precision of data.
3. Describe and explain data errors associated with GIS data.
4. Describe the necessary steps in a workflow for manual digitizing using a semi-automatic digitizer.
5. It is often suggested that in satellite imagery there is a tradeoff between spatial, spectral, and temporal resolution. Outline and illustrate what is meant by these properties.

10/0 pm