

GWANDA STATE UNIVERSITY

FACULTY OF ENGINEERING AND ENVIRONMENT DEPARTMENT OF MINING ENGINEERING MINING SURVEY AND GIS

EMI 2208

Examination Paper

June 2023

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Mr N.S. Maphosa

INSTRUCTIONS

1. Choose and Answer any 4 questions

Page 1 of 2

Copyright: Gwanda State University, 2023

- 1. Explain with examples the applicability of any 5 Geophysical methods in Mineral exploration [25]
- 2. Explain the most critical contributions of GIS in mining and mineral exploration [25]
- 3. With aid of examples, explain the exploration model [25]
- 4. Giving example of a mineral of your choice, explain fundamental steps used in a geochemical program [25]
- 5. (a) With aid of an equation, explain the use of pseudorange [10]
 - (b) Diagrammatically explain functions and components of the Global Navigation Satellite System [15]