



## GWANDA STATE UNIVERSITY

FACULTY OF ENGINEERING AND ENVIRONMENT

DEPARTMENT OF GEOMATICS AND SURVEYING

Environmental Design/Planning

EGS 2213

Final Examination Paper

November 2024

**Time Allowed:** 3 hours

**Total Marks:** 100

**Examiner's Name:** Mr T.T Chigova

### **INSTRUCTIONS**

1. Answer all questions
2. Each question carries 25
3. Total marks 100

This Examination paper consists of 2 pages

Qn

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marks

<b>1)</b>	With the aid of examples, discuss the following urban design principles/elements:	
	i) Compact city	(5)
	ii) Gated/Smart city	(5)
	iii) Site Planning	(5)
	iv) Permeability	(5)
	v) Land marks	(5)

<b>2)</b>	With reference to GSU Epoch Campus, examine the notion that the well-being of students is anchored on modifying the current residency accommodation to adopt gated community concept.	(25)
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<b>3)</b>	a) Many cities in the developing countries are facing safety and health issues, with reference to the city of your choice, examine how EIA; and Geomatics and Surveying expertise can complement each other in alleviate these challenges.	(15)
	b) Briefly discuss the main elements of mitigation and principles for their application. Consider how these might be used as part of EIA good practice locally.	(10)

<b>4)</b>	With reference to Epoch Mine Campus' environment and sphere of influence, argue what you would consider the best possible land zoning uses and give recommendations as how this can be applicable to present economic and social activities around the campus to improve its service delivery towards attaining Education 5.0 policy.	(25)
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