



GWANDA STATE UNIVERSITY

FACULTY OF ENGINEERING AND ENVIRONMENT

DEPARTMENT OF GEOMATICS AND SURVEYING

SPATIAL PLANNING

ESG 5107

Final Examination Paper

November 2023

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Dr. N. Muleya

INSTRUCTIONS

Answer ALL questions in chronological order

QUESTION 1: 25 marks			
	a	Using examples and illustrations, demonstrate your understanding of 'spatial planning'	10
	b	Discuss the role of urban planners and land surveyors in spatial planning. Demonstrate how the two professionals interact in the process.	15
QUESTION 2: 25 marks			
		There is proposal to develop Gwanda State University, Epoch Mine Campus into a university town. You are required to prepare a master plan for Gwanda State University, according to the 'Regional Town and Country Planning Act [Chapter 29:12]. In light of your knowledge and experience of the University environment:	
	a	Prepare a miniature Report of Study	7
	b	Prepare a miniature Written Statement	8
	c	Design sketch diagrams/maps showing both the existing and proposed land uses.	10
QUESTION 3: 25 marks			
	a	Distinguish between a layout plan and pegging plan	5
	b	You are required to write a residential layout plan report.	
	i	Describe the contents of the layout plan report	12
	ii	Justify the need for the layout plan report	8
QUESTION 4: 25 marks			
	a	Evaluate the land survey techniques used in site analysis	10
	b	Examine the view that 'site analysis is a prerequisite for spatial planning'.	15

END OF EXAMINATION