



GWANDA STATE UNIVERSITY

FACULTY OF ENGINEERING AND ENVIRONMENT

DEPARTMENT OF GEOMATICS AND SURVEYING

PRINCIPLES OF RURAL AND URBAN PLANNING

ESG 1211

Final Examination Paper

April 2025

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: INTRODUCTION TO RURAL AND URBAN PLANNING [20]			
	a	Demonstrate your understanding of the following terms:	
	i	Urban planning	5
	ii	Principles of urban planning	5
	b	Discuss the objectives urban planning	10
QUESTION 2: SPATIAL PLANNING MODELS AND CONCEPTS [20]			
		With aid of examples, examine the relevance of Walter Christaller's Central Place Theory in the distribution, functions and hierarchy of settlements in Zimbabwe	20
QUESTION 3: MASTER, LOCAL AND LAYOUT PLANNING [20]			
	a	Using illustrations, describe and explain the terms 'cul-de-sac' design and 'splay'	8
	b	Describe and explain the road hierarchy in relation to layout planning	12
QUESTION 4: SUSTAINABLE RURAL AND URBAN (SPATIAL) PLANNING [20]			
		In light of the three principles of sustainable development, propose how sustainable spatial planning can be achieved in Zimbabwe	20
QUESTION 5: SPATIAL PLANNING REGULATIONS IN ZIMBABWE [20]			
		In response to the Call to Action by His Excellency, the President of the Republic of Zimbabwe, you are required to prepare a 'Fast Track Legally Compliant Master Plan' according to the 'Regional Town and Country Planning Act [Chapter 29:12] and subsidiary legislation:	
		With reference to a settlement of your choice, describe and explain the processes to be followed in the preparation of a master plan.	10
		Justify the need for a 'Fast Track Legally Compliant Master Plan' in Zimbabwe	10

END OF EXAMINATION