



GWANDASTATEUNIVERSITY
FACULTYOF ENGINEERINGANDENVIRONMENT
DEPARTMENTOFGEOMATICSANDSURVEYING

Environmental Design/Planning

ESG2213

Final Examination Paper

June, 2025.

This examination paper consists of 3 pages

Time Allowed: 3hours
Total Marks: 100
Examiner's Name: Mr.TT CHIGOVA

INSTRUCTIONS

1. Answer **ALL 4** questions
2. Each question carries **25** marks
3. A3 plain white bond paper is allowed
4. Use of calculators is permissible, but programmable calculators are not allowed in the exam.

1.	a)	Briefly describe the following terms:	1
		i) Residential segregation	1
		ii) Walkability	1
		iii) Participatory urban planning	1
		iv) Inclusive urban planning	1
		v) Urban Sprawl	1
	b)	Discuss the key crucial characteristics of good urban design, state clearly examples implement on present day urban cities.	20

2.	a)	Define the following terms as used in environmental design/planning:	
		i. Green infrastructure	5
		ii. Variety	5
	b)	‘Most economic problems in Zimbabwe are a result of poor infrastructure development’. Evaluate, the notion that; “the Mt Hampden Cyber City can be viewed as an economic enabler to the city of Harare?”	15

3.	a)	By using examples or illustrations, briefly describe the following terms and/or phrases as used in urban design practice:	
		i) Permeability	5
		ii) Gentrification	5
		iii) Slums	5
	b)	By using examples or illustrations, briefly describe what meant by segregation, and what are its key influencing factors	10

4.	a)	Define environmental justice, and justify how best can urban designer achieve it?	10
	b)	Describe how the EIA process in Zimbabwe is conducted, and what are principles of mitigation when carrying out environmental design projects.	15

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