



FACULTY OF ENGINEERING AND ENVIRONMENT
DEPARTMENT OF SURVEYING AND GEOMATICS
Business Matters for Geomaticians
ESG 5206
Final Examination Paper

This examination paper consists of 4 printed pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Eng C Musiiwa

INSTRUCTIONS

1. Answer any 5 questions
2. Use of calculators is permissible, but programmable calculators are not allowed in the exam

MARK ALLOCATION

Question 1	20Marks
Question 2	20 Marks
Question 3	20 Marks
Question 4	20 Marks
Question 5	20 Marks
Question 6	20 Marks
Total Attainable	100

Question 1 [25 Marks]		
1	Occupational Health and Safety	
	As a Geomatician, explain on the domino and multiple causation theories of accidents faced in the industry.	[15]
	b. Can cost of accidents and cost of accidents prevention be used as motivators in OHS investment.	[10]

Question 2 [20 Marks]		
2a)	GSU is about to undertake a construction project for the first time. They approached a construction company called Bubbles and Padmac to engage in a Design and Build contract. Draft a template for this arrangement.	[20]

Question 3 [20 Marks]		
3a)	PPPs are popular in new infrastructure projects. Explain any 5 types of PPPs.	[20]

Question 4 [20 Marks]		
4a)	Gwanda state university wants to tender for survey works for the new university campus. Advise on any two tendering methods that can be used clearly outlining their pros and cons.	[20]

	Question 5 [20 Marks]	
	Explain the process of resolving disputes using a FIDIC contract. In what ways is this process efficient in dispute resolution.	[20]
d)	Question 6 [20 Marks] Elaborate and expand on the following a. Any three pillars of sustainability. b. Any two theories of sustainability	[10] [10]

END OF EXAMINATION