

FACULTY OF ENGINEERING AND THE ENVIRONMENT BACHELOR OF SCIENCE (HONORS) DEGREE IN GEOMATICS AND SURVEYING

CADASTRAL SURVEYING

MODULE CODE: EGS 3206

FINAL EXAMINATIONS: MAY 2023

DURATION : 3 HOURS

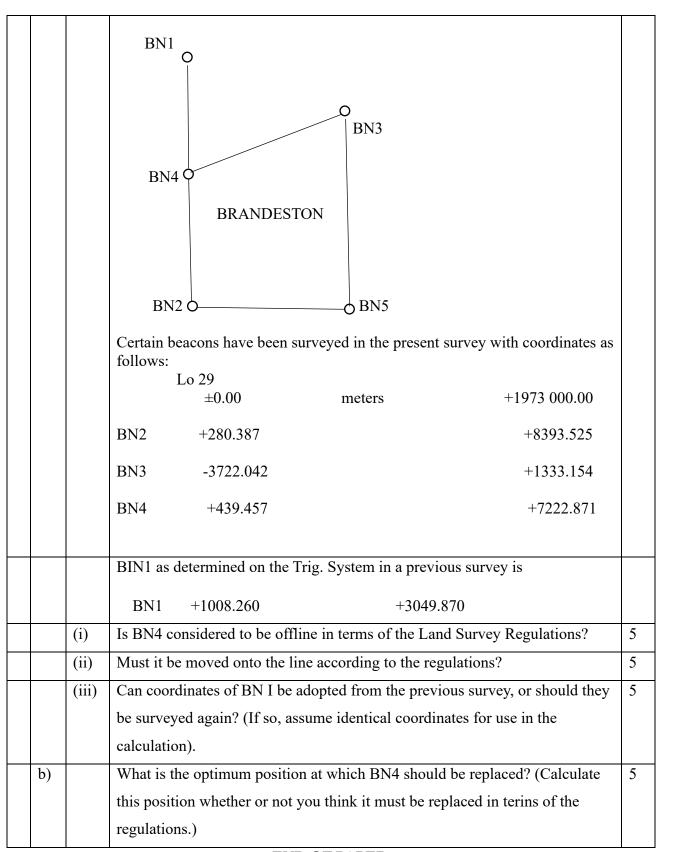
TOTAL MARKS : 100

EXAMINER'S NAME : O. MUROMO

INSTRUCTIONS

- 1. Answer ALL questions
- 2. Scientific calculators may be used

1			THE CADASTRE AND LAND TENURE	
			(TOTAL 25 MARKS)	
	a)	(i)	State and describe the officially recognized forms of land tenure in	8
			Zimbabwe	
		(ii)	Discuss the term "Tenure security"	10
	b)		Write an essay explaining the well-recognized criteria for measuring the	7
			actual or potential success of a Cadastre.	
2			CADASTRAL SURVEYS ZIMBABWE	
			(TOTAL 25 MARKS)	
			With the aid of a well-annotated diagram, describe the major cadastral	25
			processes and their associated legal instruments in Zimbabwe's land	
			registration system. Your answer must show the interlinkages between	
			different processes.	
3			BEACONS AND BOUNDARIES (TOTAL 25 MARKS)	
	a)	(i)	State the characteristics of beacons	5
		(ii)	Differentiate between Rectilinear and Curvilinear boundaries	5
	b)		Discuss the concept of beacons and boundaries as it relates to Zimbabwe.	15
			Your answer must include mention of the types of boundaries and their	
			relevance to cadastral surveying in Zimbabwe.	
4			ALLIGNMENT OF BEACONS (TOTAL 25 MARKS)	
	a)	(i)	Define a high-density developed township	5
	b)		In the diagram (figure 1) BN4 (a beacon of BRANDESTON) the property	
			under survey), is supposed to be on straight line boundary between BNI and	
			BN2 which are well constructed farm beacons (i.e., BN4 was originally	
			placed on line BN I - BIN2).	



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