

FACULTY OF ENGINEERING AND ENVIRONMENT DEPARTMENT OF GEOMATICS AND SURVEYING COMPUTER APPLICATIONS 1 EGS 2106

Final Examination Paper 2021

This examination paper consists of 3 pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Mr C. Musiiwa

INSTRUCTIONS

- 1. Answer **ALL** Questions.
- 2. Marks are as allocated on each question.
- 3. Use of calculators is permissible

								12
	a. FTF	,						3
	b. UR	L						3
	c. I.P	address						3
	d. Arra	ay						3
	e. Net	work I.l	D					3
	f. FTF)						3
	_							3
	h. Des	ktop Gl	S					4
		Q	uestion 2: A	Algorithms	and	Flowcha	arts	
_	_	_	essential to un					
	flowcharts. problems;	Using t	these principle	es design flov	chart	ts to solve	the following	
	1	putatio	ns for n obser	vations.				10
			erse using Bo		<u></u>			15
	D. Closed I.	iiik iiav	cisc using Do	waiten meme	u			15
	Question	3: Str	ructured Q	uery Langu	age			
			cuctured Que g relations fro			oase,		
			g relations fro		datal	pase,		
	Given the f	ollowin	g relations fro	om a property Survey Record	datab		·No	
	Given the f	ollowin	g relations fro	om a property Survey Record dateOfSurvey	datah	drawing	;No	
	Given the f	ollowin	g relations fro	om a property Survey Record	datah		;No	
	Given the f	ollowin	g relations fro	om a property Survey Record dateOfSurvey 1979/01/12	datah d Area 200 350	drawing	;No	
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	municipall TRN500W TRN501W TRN502W	ollowin	g relations fro bldg_ID 1080 1081 1082	om a property Survey Record dateOfSurvey 1979/01/12 1970/08/15 2000/04/30	Area 200 350 150 320	drawing 0 DW/7S 0 DW/2V 0 DW/7T	No	
	municipall TRN500W TRN501W TRN502W TRN503W	ollowin	bldg_ID 1080 1081 1082 1083	om a property Survey Record dateOfSurvey 1979/01/12 1970/08/15 2000/04/30 1990/08/15	datab l Area 200 350 150 320 50	drawing 0 DW/7S 0 DW/2V 0 DW/7T 0 DW/9F 0 DW/87F	No	
	municipall TRN500W TRN501W TRN502W TRN503W TRN504W	ollowin	g relations fro bldg_ID 1080 1081 1082 1083	om a property Survey Record 1979/01/12 1970/08/15 2000/04/30 1990/08/15 1995/09/18	Area 200 350 150 50 20	drawing DW/7S DW/2V DW/7T DW/9F	No	
	municipall TRN500W TRN501W TRN502W TRN503W TRN504W TRN505W	ollowin	bldg_ID 1080 1081 1082 1083 1084 1085	om a property Survey Record 1979/01/12 1970/08/15 2000/04/30 1990/08/15 1995/09/18 2005/07/31	Area 200 350 150 50 20	drawing 0 DW/7S 0 DW/2V 0 DW/7T 0 DW/9F 0 DW/87F 0 DW/92G	No	
	municipall TRN500W TRN501W TRN502W TRN503W TRN504W TRN505W	ollowin	bldg_ID 1080 1081 1082 1083 1084 1085 1086	om a property Survey Record 1979/01/12 1970/08/15 2000/04/30 1990/08/15 1995/09/18 2005/07/31 2014/02/28	Area 200 350 150 320 50 400	drawing 0 DW/7S 0 DW/2V 0 DW/7T 0 DW/9F 0 DW/87F 0 DW/92G	No	
	municipall TRN500W TRN501W TRN502W TRN503W TRN504W TRN505W	RegNo	g relations from S	om a property Survey Record 1979/01/12 1970/08/15 2000/04/30 1990/08/15 1995/09/18 2005/07/31 2014/02/28	Area 200 350 150 320 50 400	drawing 0 DW/7S 0 DW/2V 0 DW/7T 0 DW/9F 0 DW/87F 0 DW/92G 0 DW/25D		
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			Registrat			
bldg	_ID]	regNumber	Use	dateOfReg	parcel_Owner	
Name and Address of the Owner, where the Owner, which is the	-	75/21A	Residential	1983/06/05	Chihota	
1	081 8	37/31A	Residential	1975/08/10	Robins	
1	082	35/86B	Business	2002/11/24	Econet	
1	083 7	76/37B	Public Service	1998/07/12	Zimra	
1	084	182/78H	Residential	1997/12/15	Peters	
1	085 8	35/23TH	Residential	2015/11/27	Reynold	
1	086 1	04/39MU	Mixed	2016/09/15	Vodacom	
Design SQ	L to]	perform the	following ope	rations;		
i.	Disp	lay all build	ling owned by	Reynold and l	Peters.	3
ii.	Disp	lay all build	ling with reside	ential use and	area above 1500m2	2. 3
iii.	Disp	lay properti	es in Hatfield	or surveyed af	ter 01/01/1995	4
iv. Ider		properties w 1/1975	vith residential	use and surve	yed after	4
V.	Disp	lay all build	lings with area	between 3001	m2 and 4001m2.	4
		1 111 11				
vi. vii. Ide	entify		lings with type registered unde		g. ctional titles and un	
	entify resid	properties i lential use.	registered unde	er lease and se	ctional titles and un	
vii. Ide	entify resid	properties in lential use.	registered unde	er lease and se	ctional titles and un	
vii. Ide	entify resid	properties in lential use. estion 4: Very an HTML	Website Des	er lease and se	ctional titles and un	
vii. Ide	entify resid Que write	properties in lential use.	Website Des	er lease and se	ctional titles and un	
vii. Ide	Que write etrical 5/T	properties in lential use. estion 4: Very an HTML	Website Des	er lease and se	ctional titles and un	
vii. Ide Recall and Γrigonome 1. 255 2. 145	Que write etrical 5/T	properties in lential use. estion 4: Very an HTML	Website Des	er lease and se	ctional titles and un	
vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170	Quewrite etrical 5/T 5/S	properties in lential use. estion 4: Very an HTML	Website Des	er lease and se	ctional titles and un	
vii. Ide Recall and Γrigonome 1. 255 2. 145	Quewrite etrical 5/T 5/S	properties in lential use. estion 4: Very an HTML	Website Des	er lease and se	ctional titles and un	der 4
vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170 4. 200	Quewrite etrical 5/T 5/S 0/P	properties in lential use. estion 4: Very an HTML	Website Des	er lease and se	ctional titles and un	der 4
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vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170 4. 200 Con	Quewrite etrical 5/T 5/S 0/P 0/T mplet	properties in lential use. estion 4: Very an HTML Beacons better the table lential use.	Website Des code snippet velow.	ign Using H	ITML (25 es the <i>list</i> of	der 4
vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170 4. 200 Con IP A	Quewrite etrical 5/T 5/S 0/P 0/T mplet	properties in lential use. estion 4: Very an HTML Beacons beaches bea	Website Des code snippet velow.	ign Using F which produce	TTML (25 es the <i>list</i> of NETWORK ID	der 4
vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170 4. 200 Con IP A 214 120	Quewrite etrical 5/T 5/S 0/P 0/T mplet 126.2 .54.43	properties in lential use. estion 4: Very an HTML Beacons beaches bea	Website Des code snippet velow. CLASS	ign Using F which produce HOST ID	TTML (25 es the <i>list</i> of NETWORK ID ?	der 4
vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170 4. 200 Con IP A 214 120 199	Quewrite etrical 5/T 5/S 0/P 0/T mplet 126.2 .54.43	properties in lential use. estion 4: Very an HTML Beacons between the table lential uses. te the table lential uses.	Website Des code snippet velow. CLASS ? ? ?	ign Using F which produce HOST ID ? ? ?	TTML (25 es the list of NETWORK ID ? ?	1 1
vii. Ide Recall and Γrigonome 1. 255 2. 145 3. 170 4. 200 Con IP A 214 120 199 176	Quewrite etrical 5/T 5/S 0/P 0/T mplet 126.2 .54.43	properties in lential use. estion 4: Very an HTML Beacons between the table lential uses. te the table lential uses.	website Des code snippet velow. CLASS ? ? ? ?	ign Using Host ID Property of the second se	TTML (25 es the list of NETWORK ID ? ? ? ?	der 4