					School o	CALCON .
			GBC	S SCHEME	LIBRAR	*
USN					* Bangal	15ENG2.7
		Second Semes	tor B Arch 1	Degree Examina	tion, June/July 2	019
Second Semester B.Arch. Degree Examination, June/July 2019 Site Surveying and Analysis						
Tin	ne:	3 hrs.		0	Max.	Marks: 100
	λ	Note: Answer any F	IVE full question	s, choosing ONE ful	I question from each n	<i>vodule</i> .
			N	Module-1		
1	a. h	What are the princ		g? Explain each. based on nature of fig	ble	(08 Marks) (08 Marks)
	Ь. с.	Define Shrunk sca		based on nature of it	old.	(04 Marks)
			S.	OR 🤝		
2	a.	What are the instru	uments used in ch	N N		(04 Marks)
	b. What are the different method of ranging?					(08 Marks) work After
	c. A line has measured by 20m chain. The chain was accurate before starting the work. After chaining 1200m, the chain was found to be 6cm too long. After chaining a total distance of					
		1800m, the chain v	was found to be 1	4cm too long. Find th	e true distance of line	(08 Marks)
			1	Module-2		
3	a.				lar line to given line?	(10 Marks) (10 Marks)
	b.	Explain radiation 1	method of plane t	abling.	ll .	(10 Warks)
				OR	J.	
4	a.	i) Mean sea lev	, U	C)	4	
		ii) Line of collin			17	
		iii) Benchmark iv) Parallax	N			
		v) Reduced leve	el.	11	and a two staff on	(10 Marks)
	b. The following consecutive readings were taken with level and a 4m staff, on continuousl sloping ground at a common interval of 30m:					
	0.580 on A, 0.935, 1.95, 2.840, 3.665, 3.90, 0.96, 1.040, 1.700, 2.55, 3.85, 0.955, 1.780,					
		3.02 on B. The elevation of A	A is 520.4m. En	ter the readings in a	level book by line o	f collimation
		method and apply		· · · · · · · · · · · · · · · · · · ·		(10 Marks)
		1.6°	1	Module-3		
5	a.	Define contour, wh				(10 Marks)
	b.	What are the uses of	of contour?			(10 Marks)
		9	and the second se	OR		
6	a.	Explain the repetat	ion method of me	easuring the horizont s of theodolite explain	al angle.	(10 Marks) (10 Marks)
	ь.	what are the tempo	mary aujustitionite			(10
				1 of 2		
		° X.		1012		
		and the second s				
	2					

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Module-4

Explain in detail the reconnaissance survey during observation of site. 7 a. What are the advantages of modern instrument?

(10 Marks) (10 Marks)

- OR
- Explain how the analysis of site is done with respect to the following factors: 8
 - Topography i)
 - Site soil ii)

b.

- Vegetation iii)
- Climate iv)
- Water bodies. v)

(20 Marks)

Module-5

- What are the various notations to be indicated on a land survey drawing? Draw any 10 9 (20 Marks) notations.
- OR Sketch the plan of a small resilence to suitable scale indicate all dimensions including centre 10 (20 Marks) line. AA AA AA AA AA AA AA

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