Srinivas institute of Technology Library, Mangalore

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Second Semester B.Arch. Degree Examination, June/July 2015 Surveying and Leveling

			Surveying and Levening	
	Tim	e: 3	Max. Marks:100	
			Note: 1. Answer any FIVE full questions. 2. Assume missing data suitably.	
	1	a. b. c.		
The street product	2	a. b. c.		(09 Marks) (06 Marks) (05 Marks)
	3	a. b.	- F	(06 Marks) Correction to (08 Marks) (06 Marks)
	4		Explain the obstacles encountered in chain surveying. Explain any 2 methobstacle. Explain chaining on sloped ground.	nods in each (12 Marks) (08 Marks)
	5		Explain with neat sketch, Radiation and Intersection. What are advantages and disadvantages of Plain table survey?	(10 Marks) (10 Marks)
	6	b.	Define the following: i) Level surface ii) Horizontal surface iii) Reduced level iv) v) Mean sea level datum. Briefly differentiate between Differential leveling and Reciprocal leveling. The following consecutive readings were taken with a level and 4 mt leveli continuously sloping ground 0.755, 1.545, 2.335, 3.345, 3.655, 0.525, 1.275, 2.630, 2.895, 3.565, 0.345, 1 2.675, 3.775. 1st Reading was taken on BM of RL 200.000 mts. Rule out a page of level book and enter the readings. Calculate the RL of static collination method. Apply Normal check.	(05 Marks) (05 Marks) ng staff on a .5250, 1.850,
	7	a.	Explain how the horizontal angles are measured in the theodelite by	

- a. Explain how the horizontal angles are measured in the theodelite by
 - i) Method of Repitition Method of Reiteration.
 - b. What are the characteristics of contour?
- Write short notes on any four of the following:
 - a. Principles adopted in surveying.
 - b. Shrunk Scale & its importance.
 - c. Three point problem & its application in surveying.
 - d. Different types of chains used in chaining process.
 - e. With neat sketch, explain optical squares.
 - f. Direct and indirect method of countering.

(20 Marks)

(14 Marks)

(06 Marks)