LAND SURVEY PRACTICE - II

SI. No.	Name of The Experiment	Photo	List of Equipment		
	RIGONOMETRICAL SURVEYING		Equipment		
	ACHEOMETRY:				
	1.1 Determination of height of 3		1. Theodolite		
	objects whose bases are		2. Tripod		
	accessible		Stand		
	1.2 Determination of stadia		3. Tape		
	constants		4. Pegs		
	1.3 Determination of horizontal		5. Arrows		
	distance an elevation with Staff				
	vertical, by stadia method				
	2.0 SETTING OUT CURVES AND SITE				
SURVEYING:					
	2.1 Setting out a simple circular		1. Theodolite		
	curve by offsets from long chord		2. Tripod		
	2.2 Setting out a simple circular		Stand		
	curve by offsets from the tangent		3. Tape		
	2.3 Setting out a simple circular		4. Pegs		
	curve by offsets from chords		5. Arrows		
	produces	-			
	2.4 Setting out a simple circular				
	curve by Rankine's method of				
	tangent angle (Deflection angles)	-			
	Setting out a site the center line				
	and foundation width of a building				
	from the given plan	-			
	2.5 Setting out the foundation line for				
	a culvert	-			
	2.6 Dividing an area into plots of				
2 0	given size				
3. 5	TUDY OF MAP AND MAP SERIES:		Mana		
	3.1 Physical Map	-	Maps		
	3.2 Topographic Map	-			
	3.3 Road Map	-			
	3.4 Political Map	-			
	3.5 Economic & Resources Map	-			
	3.6 Thematic Map	-			
	3.7 Climate Map	-			
	3.8 Open Series map and Defense Series Map				
1 6.	TUDY ON GPS & DGPS AND ETS:				
4. 3	4.1 GPS: - Global Positioning,		1. DGPS		
	GPS Signals, Errors of		2. Rover		
	GPS,Positioning Methods		3. Base		
	4.2 DGPS: - Differential Global		Station		
L	T.Z DOI O. Dillordillar Global		Station		

Positioning System		4. Tripod
4.2.1 Base Station Setup		4. Hipou
4.2.2 Rover GPS Set up		
4.2.3 Download, Post-Process and		
Export GPS data		
4.2.4 Sequence to download GPS		
data from flashcards		
4.2.5 Sequence to Post-Process	高。图 6 	
GPS data		
4.2.6 Sequence to export post		1. Total
process GPS data		Station
4.2.7 Sequence to export GPS		Prism
Time tags to file		3. Stand
4.3 ETS: - Electronic Total Station		4. Tape
4.3.1 Distance Measurement		
4.3.2 Angle Measurement		
4.3.3 Leveling		
4.3.4 Determining position		
4.3.5 Reference networks		
4.3.6 Errors and Accuracy		
5. STUDY OF GIS AND MAP		
PREPARATION USING GIS		
5.1 Components of GIS,		
Integration of Spatial and Attribute		
Information		
5.2 Three Views of Information		
System		
5.2.1 Database or Table View,		
Map View and Model View		1. GIS Software
5.3 Spatial Data Model		1. CIO CONTINUIC
5.4 Attribute Data Management		
and Metadata Concept		
5.5 Prepare data and adding to Arc		
Map.		
5.6 Organizing data as layers.		