


LESSON PLAN
FOR SESSION SUMMER (2021-22)

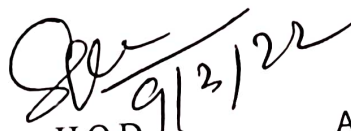
Name of Faculty : SAIRAM MISHRA		
Discipline: CIVIL ENGINEERING		
Semester: 6 th		Practical : 5 P/ W
Subject: LAND SURVEY -2 PRACTICAL		Total Periods: 65 Periods
Semester From date 10/03/22		To Date : 10/06/22
Weeks	Practical Days	Practical Topic
March 2 nd week	1st	TRIGONOMETRICAL SURVEYING & TACHEOMETRY:
		1.1 Determination of height of 3 objects whose bases are accessible
		1.2 Determination of stadia constants
	2nd	1.3 Determination of horizontal distance and elevation with Staff vertical, by stadia method VIVA and Record check.
3 rd week	1st	SETTING OUT CURVES AND SITE SURVEYING:
		2.1 Setting out a simple circular curve by offsets from long chord
		2.2 Setting out a simple circular curve by offsets from the tangent
	2nd	2.3 Setting out a simple circular curve by offsets from chords 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		
4 th week	1st	2.6 Dividing an area into plots of given size VIVA and Record check
		2nd
	3.1 Physical Map	
	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		
April 1 st week	1st	3.8 Open Series map and Defense Series Map VIVA and Record check
	2nd	STUDY ON GPS & DGPS AND ETS
		4.1 GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods
2 nd week	1st	4.2 DGPS: - Differential Global Positioning System
	2nd	4.2.1 Base Station Setup
		4.2.2 Rover GPS Set up
3 rd week	1st	4.2.3 Download, Post-Process and Export GPS data
		4.2.4 Sequence to download GPS data from flashcards
	2nd	4.2.5 Sequence to Post-Process GPS data
		4.2.6 Sequence to export post process GPS data
4 th week	1st	4.2.7 Sequence to export GPS Time tags to file
	2nd	4.3 ETS: - Electronic Total Station

May 1 st week	1st	4.3.1 Distance Measurement 4.3.2 Angle Measurement
	2nd	4.3.3 Leveling 4.3.4 Determining position
2 nd week	1st	4.3.5 Reference networks 4.3.6 Errors and Accurate
	2nd	VIVA and Record check .
3 rd week	1st	STUDY OF GIS AND MAP PREPARATION USING GIS
	2nd	5.1 Components of GIS, Integration of Spatial and Attribute Information 5.2 Three Views of Information System
4 th week	1st	5.2.1 Database or Table View, Map View and Model View 5.3 Spatial Data Model
	2nd	5.4 Attribute Data Management and Metadata Concept 5.5 Prepare data and adding to Arc Map
June 1 st week	1st	5.6 Organizing data as layers. 5.7 Editing the layers.
	2nd	5.8 Switching to Layout View. 5.9 Change page orientation.
2 nd week	1st	5.10 Removing Borders.
	2nd	5.11 Adding and editing map information. 5.12 Finalize the map VIVA and Record check


9/3/22

Concern faculty

Signature


9/3/22


H.O.D

Civil Engineering


9/3/2022

Academic Coordinator

GP Nabarangpur


9/3/22

Principal

GP Nabarangpur