

PROGRAMME : CIVIL ENGINEERING	NAME OF THE FACULTY: UTKALIKA PRADHAN
COURSE NAME : LAND SURVEY PRACTICE-II	SESSION : 2020-2021
COURSE CODE : PR-2	DATE : 05-04-2021 to 30.06.2021
SEMESTER : 6 TH	
PERIODS/WEEK : 5	
TOTAL PERIODS : 75	

WEEK	CLASS	TOPICS
1	1	Determination of height of 3 objects whose bases are accessible
	2	Determination of stadia constants
2	1	Determination of horizontal distance and elevation with Staff vertical, by stadia method
	2	Setting out a simple circular curve by offsets from long chord
3	1	Setting out a simple circular curve by offsets from the tangent
	2	Setting out a simple circular curve by offsets from chords produces
4	1	Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles)
	2	Setting out a site the center line and foundation width of a building from the given plan
5	1	Setting out the foundation line for a culvert
	2	Dividing an area into plots of given size
6	1	Study of Physical Map, Topographic Map, Road Map, Political Map
	2	Study of Economic & Resources Map, Thematic Map, Climate Map, Open Series map and Defence Series Map
7	1	Study of GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods
	2	Study of DGPS: Base Station Setup, Rover GPS Set up, Download, Post-Process and Export GPS data
8	1	Study of DGPS: Sequence to download GPS data from flashcards, Sequence to Post-Process GPS data Sequence to export post process GPS data Sequence to export GPS Time tags to file
	2	ETS: - Electronic Total Station: about instrument
9	1	ETS: Distance Measurement, Angle Measurement
	2	ETS: Levelling, Determining position
10	1	ETS: Reference networks, Errors and Accuracy
	2	Study of GIS: Components of GIS, Integration of Spatial and Attribute Information
11	1	Three Views of Information System, Database or Table View, Map View and Model View
	2	Spatial Data Model
12	1	Attribute Data Management and Metadata Concept
	2	Prepare data and adding to Arc Map.
13	1	Organizing data as layers.
	2	Editing the layers.

14	1	Switching to Layout View
	2	Change page orientation.
15	1	Removing Borders, Adding and editing map information
	2	Finalize the map