LESSON PLAN

BRANCH-CIVIL ENGG				NAME-ANITA PRADHAN		
Subject:LAND SURVEY-II(TH-I)				Semester From Date:10-03-2022 To Date 10-06-20		
SEMES	STER-6th			No. Of Weeks:	5P/WEEK	
No. of Da	ys/week class	s allotted:05 p	eriod per		τοται	
week(M	on,Tue,Wed,T	hu, Sat-1 Peri	od each)		PERIOD-75	
					NO. OF	
MONTH	Week	DATE	DAYS	Syllabus to be covered		
					9	
		10-03-2022	THUS	Introduction	1	
	2nd	12-03-2022	SAT	Principles, stadia constants determination	1	
		14/03/22	MON	Stadia tacheometry with staff held vertical and	1	
				Stadia taskacemetry with staff hold vortical and		
	Qued	15 (02 (22	TUE	with line of collimation inclined	1	
	3rd	16/03/22	WED	Numerical problems	1	
		17/03/22	THUS	Elevations and distances of staff stations	1	
		10/03/22	9AT	Numorical problems	1	
		19/03/22	MON	Numerical problems	1	
		21/03/22			•	
	4th	22/02/22	THE	Introduction	0	
		22/03/22	IUE	Compound reverse and transition curve. Purpose	1	
MARCH			WED	& use of different types of curves in field	1	
		23/03/22			-	
		24/03/22	THUS	Elements of circular curves	1	
		26/03/22	SAT	Numerical problems	1	
		28/03/22	MON	Preparation of curve table for setting out	1	
			TUE	Setting out of circular curve by chain and tape and	1	
				by instrument angular methods (i)offsets from		
	5th			long chord,(ii)successive bisection of		
				arc,(iii)offsets from tangents,(iv)offsets chord		
				produced,(v)Rankine's method of tangent angles		
		20/02/22				
		29/03/22		Sotting out of circular outry by chain and tang and		
				by instrument angular methods (i)offsets from		
				long chord (ii)successive bisection of		
			WED	arc.(iii)offsets from tangents.(iv)offsets chord	1	
				produced,(v)Rankine's method of tangent angles		
		30/03/22				
			THUS	Obstacles in curve ranging – point of intersection	1	
		31/03/22		inaccessible		
					8	
				BASICS ON SCALE AND BASICS OF MAP:		
	1st		SAT	Fractional or Ratio Scale, Linear Scale, Graphical	1	
		02-04-2022		Scale		

1	1		04 04 2022		What is Man Man Saala and Man Draigations	
		2nd 3rd	04-04-2022	MON	What is Map, Map Scale and Map Projections	1
			05-04-2022	TUE	How Maps Convey Location and Extent	1
			06-04-2022	WED	How Maps Convey characteristics of features	1
			07-04-2022	THUS	How Maps Convey Spatial Relationship	1
					Classification of Maps- Physical Map	
			09-04-2022	SAT MON	,Topographic Map,Road Map,Political Map,	
					Economic & Resources Map, Thematic	1
					Map,Climate Map	
					Classification of Maps- Physical Map	
			11-04-2022		,Topographic Map,Road Map,Political Map,	1
					Economic & Resources Map, Thematic	
					Map,Climate Map	
					SURVEY OF INDIA MAP SERIES	10
	APRIL		12-04-2022	TUE	Open Series map	1
			13/4/22	WED	Open Series map	1
			16/4/22	SAT	Defense Series Map	1
			18/4/22	MON	Defense Series Map	1
			19/4/22	TUE	Map Nomenclature, Quadrangle Name	1
			20/4/22	WED	Latitude, Longitude, UTM's	1
		4th	21/4/22	THUS	Contour Lines	1
			23/4/22	SAT	Magnetic Declination	1
			25/4/22	MON	Public Land Survey System	1
			26/4/22	TUF	Field Notes	1
		5th	20/4/22	.02	BASICS OF AFRIAL PHOTOGRAPHY	-
					PHOTOGRAMMETRY DEM AND ORTHO	10
					IMAGE GENERATION	
			27/4/22	WED	Aerial Photography	1
			28/4/22	THUS	Film Focal Length Scale	1
			20/4/22	11100		-
			30/4/22	SAT	Types of Aerial Photographs (Oblique, Straight)	1
			30/4/22			
			02-05-2022	MON	Photogrametry Classification of Photogrammetry	1
		1st	02-05-2022		Aerial Photogrammetry Terrestrial	
			04-05-2022	WED	Photogrammetry	1
					Acquisition of Imagery using aerial and satellite	
			05-05-2022	THUS	platform	1
			07-05-2022	SAT	Control Survey	1
			09-05-2022	MON	Geometric Distortion in Imagery	1
			10-05-2022	TUF	DTM/DEM Generation	1
			11-05-2022	WFD	Ortho Image Generation	1
		2nd			MODERN SURVEYING METHODS :	10
			12-05-2022	THUS	Principles	1
					features and use of (i) Micro-optic theodolite	
			14/5/22	SAT	digital theodolite	1
					features and use of (i) Micro-optic theodolite.	
			16/5/22	MON	digital theodolite	1
			_			L

		17/5/22	TUE	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
		18/5/22	WED	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
	3rd	19/5/22	THUS	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
ΜΑΥ		21/5/22	SAT	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
		23/5/22	MON	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
		24/5/22	TUE	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
	4th	25/5/22	WED	Working principles of a Total Station (Set up and use of total station to measure angles, distances of points under survey from total station and the co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry and triangulation.	1
				BASICS ON GPS & DGPS AND ETS:	10
				GPS-Global positioning system	

1	1	· · · · · ·			
				GPS: - Global Positioning 7.1.1 Working Principle	1
			THUS	of GPS,GPS Signals 7.1.2 Errors of	1
		26/5/22		GPS,Positioning Methods	l
					. <u></u>
				DGPS: - Differential Global Positioning System	L
		28/5/22	SAI	7.2.1 Base Station Setup.7.2.2 Rover GPS Set up	1
				7.2.3 Download Post-Process and Export GPS	. <u></u>
	5th	21/5/22	TUE	data	1
	+	51/5/22		7.2.4. Sequence to download CBS data from	
		01-06-2022	WED	1.2.4 Sequence to download GFS data from	1
	1st	02-06-2022	THUS	7.2.5 Sequence to Post-Process GPS data	1
				7.2.6 Sequence to export post process GPS	1
			SAT	data,7.2.7 Sequence to export GPS Time tags to	1
, ,		04-06-2022		file	
U				ETS: - Electronic Total Station	
N				7.3.1 Distance Measurement .7.3.2 Angle	
E		06-06-2022	MON	Measurement	1
		07 06 2022	THE		1
		07-00-2022	WED	7.3.4 Determining position	1
		08-06-2022	WED		1
			THUS	7.3.5 Reference networks ,7.3.6 Errors and	1
	2nd	09-06-2022		Accuracy	
				BASICS OF GIS AND MAP PREPARATION	10
				USING GIS	10
			C A T	8.1 Components of GIS, Integration of Spatial and	
E			SAI	Attribute Information	1
х				8.2 Three Views of Information System.8.2.1	·
т			MON	Database or Table View Map View and Model	1
D				View	-
				8.2 Spatial Data Madal 8.4 Attribute Data	
A				0.5 Spallal Dala Wodel ,0.4 All Ibule Dala	1
C				8.5 Prepare data and adding to Arc Map.	1
L				8.6 Organizing data as layers	1
Α				8.7 Editing the layers.	1
S				8.8 Switching to Layout View.	1
s				8.9 Change page orientation.8.10 Removing	
				Borders.	1
				8.11 Adding and editing map information.	1
				8.12 Finalize the map	1
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