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rrors in angle measurement with compass	ffects of earth's magnetism	se of compasses	esignation of angles- concept of meridians	Compass – Types, features, parts, merits & demerits, testing & diustment	Measurement of angles with chain, tape & compass	ANGULAR MEASUREMENT AND COMPAS SURVEYING :	Errors in chain surveying	Offsets - Necessity	Purpose Of Chain surveying	Setting Perpendicular In Chain	Methods of Chaining	Ranging-Purpose and Types	Equipments for chaining	numerical problem applying corrections.	numerical problem applying corrections.	Corrections to measured lengths due to-incorrect length, temperature variation, pull, sag,	Layering Scenario	Precision and accuracy of measurements, instruments used for measurement of distance, Types of tapes and chains.	r metpres of survey france survey ing. Occourse out regime	Surveying: Definition, Aims and objectives	Name of the Topic to Cover	Subject/Code: LAND SURVEY Faculty Na	Academic Year 2022-23 (Even Semester) COURSE: DIPLOM/	DEPARTMENT:CIVIL EN	NM Institute Of Engineering and Tec	
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Methods of contouring, plotting contour maps, Interpretation of contour maps, toposheets	Calculation of area by using ordinate rule, trapezoidal rule, Simpson's rule.	Determination of areas, computation of areas from plans	Concept of transiting – Measurement of horizontal and vertical angles.	Fundamental axes of a theodolite, concept of vernier, reading a vernier,	Purpose and definition of theodolite surveying	THEODOLITE SURVEYING AND TRAVERSING:	Statements of TWO POINT and THREE POINT PROBLEM	Intersection, (3) Transmiss (4) Decorior	Instruments & accessories used in plane table surveying.	Objectives, principles and use of plane table surveying	PLANE TABLE SURVEYING	Adjacent Boundaries and Features, Topology Creation and verification	Positions of existing Control Points and its types	Unique identification number of parcel	Cadastral Map Preparation Methodology	Study of direction, Scale, Grid Reference and Grid Square Study of Signs and Symbols	MAP READING CADASTRAL MAPS & NOMENCLATURE	x.25	Plotting of traverse	Errors in compass surveying	Local attraction	Principles of traversing
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