



Department of Geography

General Education: Certificate Course for Under Graduate Students

Name of the Course: Methods of Surveying

Course Code: CGEO -01

Objectives of the Courses

To acquaint the students with the principles of surveying, its importance, and its utility in the Geographical study. To familiarize the students with the basic aspects of linear, vertical and angular measurements of surveying. To understand the importance, basic principles and uses of GPS in surveying to identify sources and types of errors occurs during surveys.

SYLLABUS COMPONENTS

Certificate Course Method of Surveying

Sr. No.	Topic	Sub Topic	Teaching Hours	Marks
01	Introduction of surveying	i) Introduction of surveying ii) Definition of surveying iii) Types of surveying	05	05
02	Plane table surveying	i) Introduction ii) Definition iii) Radiation method iv) Intersection method	10	15
03	Dumpy level	i) Introduction of Dumpy level ii) Definition of Dumpy level iii) Rise And Fall Method iv) Collimation method	10	15
04	Land Measurement	i) Introduction ii) Definition iii) converges of Area Hectors into acre Square Km into Sauer Meter Square Miter into Square Fit	10	15

INSTRUCTIONAL STRATEGIES

The following method will be used:

Field work Report Writing, Activity

The process of surveying involves measuring and recording, measuring and recording distances, angles, height and size of the earth surface features and drawing them on plan section.

ASSESSMENT

Formative on going assessment based on class assignment, work-sheet and tests.

Oral Presentation on topics given by the teacher.

Project report approved by the teacher

Summative – Examination at the end of the course.

COURSE HOURS FOR THREE MONTHS

Unit No.	Topic	Lectures
01	Introduction of Surveying	05
02	Plane table Surveying	10
03	Dumpy level	10
04	Land Measurement	10
	Total	35

CONCLUSION

After the successful completion of the course, the students will be able to

Develop Practical skill and use of surveying instrument

To make students aware of the new techniques, accuracy and skill of land measuring.

ELIGIBILITY

Enrolled any students of S.Y. B. A.

INTAKE CAPACITY

The Intake capacity of course is 35 all seats filled from regular students.

MEDIUM OF INSTRUCTION

The medium of instruction for the course shall be Marathi.

EXAM PATTERN

Oral Examination 10 Marks

Practical Examination 40 Marks

AWARD OF CERTIFICATE

The student shall be eligible for the award of the respective course certificate after he/she has successfully completed the entire prescribed course programme and has secured a minimum 40 percent marks.



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