

Lesson Planning (Practical)

Branch : Civil Engineering

Semester : 3rd

Subject : Geotechnical Engineering Lab

Session : August-December 2026

Teacher: Er. Saibal Bharti

S.No.	No. of WEEKS	Chapter/ Unit Description	Detail of Contents	Remarks
1	Week 1	Practical 1	• Identification of rocks from the given specimen.	
2	Week 2			
3	Week 3	Practical 2	• Determine water content of given soil sample by oven drying method as per IS: 2720 (PartII).	
4	Week 4	Practical 3	• Determine specific gravity of soil by pycnometer method as per IS 2720 (Part- III).	
5	Week 5	Practical 4	• Determine dry unit weight of soil in field by core cutter method as per IS 2720 (Part- XXIX).	
6	Week 6	Practical 5	• Determine dry unit weight of soil in field by sand replacement method as per IS 2720 (Part XXVIII).	
7	Week 7	Practical 6	• Determine Plastic and Liquid Limit along with Plasticity Index of given soil sample as per IS 2720 (Part- V).	
8	Week 8	Practical 7	• Determine Shrinkage limit of given soil sample as per IS 2720 (Part- V).	
9	Week 9	Practical 8	• Determine grain size distribution of given soil sample by mechanical sieve analysis as per IS 2720 (Part- IV).	
10	Week 10	Practical 9	• Use different types of soil to identify and classify soil by conducting field tests-through Visual inspection, Dry strength test, Dilatancy test and Toughness test.	
11	Week 11			
12	Week 12	Practical 10	• Determine coefficient of permeability by falling head test as per IS 2720 (Part- XVII).	
13	Week 13	Practical 11	• Determine MDD and OMC by standard proctor test of given soil sample as per IS 2720 (Part VII).	
14	Week 14			

Signature of Teacher

Signature of H.O.D/OIC