

Barguna Polytechnic Institute
Environmental Technology
4th Semester
Geotechnical Engineering
 Course No. 6441

Teachers Name:

Week	Class	Topic	Sub Topic	Activity	Exam	Remarks
1 st	1	Understand the basic concept of geotechnic.	1.1--1.3	Discussion Lecture Question		
	2	Understand the basic concept of geotechnic.	1.4--1.6	Discussion Lecture Question		
	Practical 1	Determine the water content of soil by oven drying method.				
2 nd	3	Understand the basic concept of geotechnic.	1.6--1.8	Discussion Lecture Question		
	4	Understand preliminary definitions and simple test soil.	2.1--2.2	Discussion Lecture Question		
	Practical 2	Determine the specific gravity of soil by pycnometer method.				
3 rd	5	Understand preliminary definitions and simple test soil.	2.3--2.4	Discussion Lecture Question		
	6	Understand preliminary definitions and simple test soil.	2.5--2.6	Discussion Lecture Question	Quiz Test -1	
	Practical 3	Determine the particle size of soil by sieve analysis.				
4 th	7	Understand the particle size of soil.	3.1--3.3	Discussion Lecture Question		
	8	Understand the particle size of soil.	3.4--3.5	Discussion Lecture Question		
	Practical 4	Determine the particle size of soil by hydrometer analysis.				
5 th	9	Understand the plasticity characteristics of soil.	4.1--4.2	Discussion Lecture Question		

	10	Understand the plasticity characteristics of soil.	4.3--4.4	Discussion Lecture Question	Class Test -1	
	Practical 5	Determine the liquid limit of soil by casagrand's apparatus.				
6th	11	Understand the hydraulic properties of soil.	5.1--5.3	Discussion Lecture Question		
	12	Understand the hydraulic properties of soil.	5.4--5.6	Discussion Lecture Question		
	Practical 6	Determine the plastic limit of soil.				
7th	13	Understand the consolidation characteristics of soil.	6.1--6.3	Discussion Lecture Question		
	14	Understand the consolidation characteristics of soil.	6.4--6.6	Discussion Lecture Question		
	Practical 7	Determine the co-efficient of permeability of soil by constant head test.				
Continuous Assment Exam						
8th	15	Understand the consolidation characteristics of soil.	6.7--6.8	Discussion Lecture Question		
	16	Revision of all Topic (Above)		Discussion Lecture Question		
	Practical 8	Collect the sample of soil by wash boring method.				
9th	17	Understand the purpose of subsurface investigation.	7.1--7.2	Discussion Lecture Question		
	18	Understand the purpose of subsurface investigation.	7.3--7.4	Discussion Lecture Question		
	Practical 9	Determine the bearing capacity of soil from Standard Penetration Test (SPT).				
10th	19	Understand the purpose of subsurface investigation.	7.5--7.6	Discussion Lecture Question		
	20	Understand the purpose of subsurface investigation.	7.7--7.8	Discussion Lecture Question		
	Practical 10	Determine the amount of compaction and the water content by				

