



Course Weekly Outline

Week No.	Theoretical	Experimental
1	Definition of geology Earth Structure	Types of rocks
2	Mineral groups	Types of rocks
3	Physical properties of minerals	Types of rocks
4	Physical and engineering properties of rocks	Types of rocks
5	Rock cycle geological structures	Types of rocks
6	Earthquakes Volcanoes	How to recognise rocks
7	Geological origin and properties of soil and rivers	How to recognise rocks
8	Transport and sedimentation in rivers	How to recognise rocks
9	The origin and sources of subsurface water	How to recognise rocks
10	subsurface water movement Artesian wells	How to recognise rocks
11	topographic maps	How to recognise rocks
12	contour lines	Hardness test for rocks
13	Topographic Profile & vertical section	Hardness test for rocks
14	Geological and geotechnical investigations of engineering building sites	Permeability test for soil
15	Engineering geology and foundation problems	Permeability test for soil