. . .

		Tensile strength, porosity & its types,	data.
	3 rd	Engineering properties of rocks;	Geological interpretation of borehole
		shear strength.	
		Crushing strength, transverse strength,	
	2 nd	Engineering properties of rocks;	
		rocks.	
		are the various engineering properties of	
		Use of rocks in Engineering projects, what	
	1	Engineering properties of rocks;	data.
th	1 st	Engineering geology	Geological interpretation of borehole
	4 th	Surprise test.	data.
	3 rd	Placers and its types.	Geological interpretation of borehole
		occurs,	
		How the mechanical concentration	
	2 nd	denosits	
		Residual and mechanical concentration	data.
		are formed with example	Geological interpretation of borehole
		deposits What is residual deposits and how these	
5 th	1 st	Residual and mechanical concentration	
		examples.	
		oxidation, supergene enrichment with	
		How the process occurs, zone of	
		process	litho-studies of engineering sites.
	4 th	Oxidation and supergene enrichment	Interpretation of structural maps for litho-studies of engineering sites .
		these are the store house of minerals.	tion of structural mans for
	3 rd	Pegmatite; what are pegmatite and how	
		ovamnle	
	_	process help in ore deposits with	11110 3683.111
	2 nd	Contact metasomatism; how these	litho-studies of engineering sites
5 th	1	sedimentation deposits.	Interpretation of structural maps for
-th	1 st	Examples and various features of	
		helps in ore formation.	
		How the sedimentation occurs and how it	
9	4 th	-f -in and denosits	1010
	, ab	clearing. Sedimentation process helps in formation	 Interpretation of structural maps for litho-studies of engineering sites .
		Replacement deposits and doubt	
	3 rd	Hydrothermal deposits	
		formation, cavity filling deposits.	
		Classification based on mode of	
400	2 nd	Hydrothermal deposits	

		Absorption value, density, abrasive resistance, frost & fire resistance, modulus of deformation.	
8 th	1st	What is dam, terminology associated with dam.	Geological interpretation of borehole data.
	2 nd	Different types of Dam.	uata.
	3 rd	Criteria for selection of dam site.	Geological interpretation of borehole
	4 th	Reservoir and describe the criteria for selection of a Reservoir site.	data
) th	1 st	Reservoir and describe the criteria for selection of a Reservoir site.	Carla rical interpretation of horahola
	2 nd	Describe the geology of bridge sites. What is bridge and terminology associated with it and its type.	Geological interpretation of borehole data.
	3 rd	Describe the geology of bridge sites. Forces acting on bridge and criteria for site selection	Geological interpretation of borehole
	4 th	Describe the geology of tunnel sites. What is a tunnel and its constructional features.	data.
10 th	1 st	Describe the geology of tunnel sites. Criteria for site selection.	Measurement of dip and strike of strata
	2 nd	Describe the geology of tunnel sites. Criteria for site selection	
	3 rd	Groundwater Engineering How water are present in earth surface & origin of groundwater.	Measurement of dip and strike of strata
	4 th	Occurrence of groundwater.	
11 th	1 st	Hydrological cycle;	Measurement of dip and strike of
		Introduction & how it occurs.	strata
	2 nd	Hydrological cycle; Processes and significance.	
	3 rd	Vertical distribution of groundwater. Zone of aeration	Measurement of dip and strike of strata
	4 th	Vertical distribution of groundwater. Zone of saturation and water table.	
12 th	1 st	Surprise Test	Measurement of dip and strike of
16	2 nd	Types of water bearing formation, Aquifer and its types. Aquiclude, aquifuge and aquitard.	strata

	3 rd	Aquiclude, aquifuge and aquitard.	Measurement of dip and strike of
	4 th	Porosity and its types and factors	strata
	4	controlling porosity.	Lab practice
h	1 st	Permeability and its types.	
		What is safe yield and overdraft,	
	2 nd	largests of overdraft on environment.	Lab practice
	3 rd	What is artificial recharge and with the	
		needed. Methods of artificial recharge,	
	4 th	Direct methods; surface methods.	Lab practice
.h	1 st	- le of artificial reclidige,	
:h		Direct method: Sub-Surface income	1
	2 nd	Methods of artificial recharge, Indirect method.	Lab practice
		DOUBT CLEARING CLASS	
	3 rd	DOUBT CLEARING CLASS	TEST
+4	1 st	MOCK TEST	
5 th	2 nd	MOCK TEST	TEST
	3 rd	MOCK TEST	
	4 th	MOCK TEST	

Lecturer in Geology
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