		210	210	210	21	10	210	210	2	
		Registratio	on No :							
T - 4		•							D T	
l Otá	ai Ni	umber of P	ages : 02						B.Tech 218J001	
		010	8 th :	Semester Re	egular Exam	ination	2018-19			
		210		ENVIRONM	ENTAL GEO	TECHNI		210		
					RANCH : CI					
					ax Marks : 1					
					ime:3 Hou .CODE:F0 [·]					
An	swe	r Question	No.1 (Part-1				HT from Part	-II and any TWO) from	
			(,	Part-III.	,		····· ·		
		210	The figu	res in the rig	ght hand ma	argin ind	licate marks.	210		
					Part				(2 x 1)	
Q1		Only Short Answer Type Questions (Answer All-10)								
	a)	·								
	b)									
	c)									
	d) e)									
	6)	What are the properties of Geosynthetics which are desired for geo environmental engineering?								
	f)	What are the strategies adopted for control of subsurface contamination?								
	g)	•								
	h)	Write down	the types of la	andfill depend	ing upon the r	nature of v	waste.			
	i)			vill be used fo	or landfill cove	ers in dry	arid regions w	here vegetative		
		growth is d	210	210	21	10	210	210		
	j)	what are tr	ne factors affe	cting tailing ch	aracteristics?					
Q2			ead Short An	ewor Type O	Part- II	newor Ar	ny EIGHT out o		(6 x 8	
QL	a)	-	importance a	••	•		-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(0 × 0)	
	۵) b)	•	•			•	•	ontamination?		
	c)									
	d)	Liquid waste is being discharged into a shallow injection well. The subsoil constricts of								
								y of 35 %. The		
								radient causing naway from the		
		•		•				ertically down to		
		the ground	water table, h	how much tim	e will it take f	or the liqu	uid waste to rea	ach the drinking		
			well? Conside	er only advect	ive flow and	assume c	one dimensiona	I horizontal flow		
		condition.	210	210	21 Lin londfill da	10 aign2	210	210		
	e) f)		e role of geosy ain the differe			•	with diagram			
	r) g)	• •	alyze the stabil	•			•			
	9) h)		•	•	-			r constructioing		
	,		er in liners and		Jan					
	i)		e difference be	-						
	•	How doos		atic mathod b	elp in deconta	minating	a particular site	?		
	j)	210	210	210		10 -	210	210		
		Explain the	e methods of ra	aising in stage	s of an ash p_{c}^{21}		ieat sketch. I environmental	210		

210	210	210	210	210	210	210	210

Part-III

	Q3	Only Long Answer Type Questions (Answer Any TWO out of FOUR) Explain the engineering properties of waste with its range.	(16)
210	Q4	With the help of a neat sketch explain the landfill construction and operation method. 210^{210}	(16) ₂₁₀
	Q5	Describe the operation process of slurry deposition of pond ash with diagram.	(16)
	Q6	Discuss the processes involved in the planning of contaminated site remediation.	(16)

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