## B.E. (Civil Engineering) Eighth Semester (C.B.S.) **Elective-II : Advanced Engineering Geology**

P. Pages: 1 Time: Three Hours		* 0 2 3 8 *			<b>NRJ/KW/17/4675</b> Max. Marks : 80	
Note	s: 1. 2. 3. 4. 5. 6. 7. 8. 9.	All questions carry marks as in Solve Question 1 OR Question Solve Question 3 OR Question Solve Question 5 OR Question Solve Question 7 OR Question Solve Question 9 OR Question Solve Question 11 OR Question Assume suitable data whenever Illustrate your answers whenever	ns No. ns No. ns No. ns No. ns No. ons No. er nece	2. 4. 6. 8. 10.		
1.	What is	RQD? Describe RQD in detail	with a		13	
2.		you understand by engineering attion of rocks based on RMR.	_	ification of rocks? Describe the engineering	13	
3.		re the defects found in rock mas d foundation site.	ses. Di	scuss the method of grouting applied at	13	
4.	Discuss sites.	uss the method of water percolation test conducted a civil engineering construction				
5.		What is specific capacity of well? Discuss the method of determination of specific capacity of a dug well at field.				
	ъ.		O	R		
6.	a) Tra	the following: ansmissivity. ound Water Fluctuation.	b)	Safe yield	14	
7.		Remote Sensing? Describe the basic principle of remote sensing and its ion in ground water study.				
8.		OR do you understand by artificial recharging of ground water? Describe various ods of ground water recharge.				
9.		be various factors which are considered during waste disposal site selection for and liquid wastes.				
10.	OR Discuss the following:					
10.		nd use and land cover.			7	
	b) Sources of ground water pollution.				7	
11.		an earthquake? Discuss various		es of earthquake. Add a note Seismic Zones	13	
10	*** *		O	R		
12.	a) Ca	nort notes on the following: uses of landslides. rthquake resistance structures.	b)	Preventions of landslide and Rehabilitation	13	
		**	****	*****		