## M.SC.(Geology) (CBCS Pattern) Third Semester PSCGEOT09 - Hydrogeology and Watershed Management Paper-I

80

P. Pages: 1 Time: Three Hours		lours	<b>                                   </b>			<b>GUG/W/18/11270</b> Max. Marks : 80	
Not			Il questions are compulsory raw neat sketches wherever		• •		
1.	Describe in detail hydrological cycle.  OR						
	Wr	ite shor	t notes on:-	O	·K		
	a)		ned aquifers.	b)	Water table contour maps		
	c)	Seepa		d)	Groundwater provinces of		
2.	Give a detailed account of groundwater quality and environmental aspects.						
	OR						
	Wr						
	a)						
	b)	Preventive measures of saline water intrusion.					
	c)	Water logging problems.					
	d)	Radio	isotopes in hydrogeological	studie	S.		
3.	Describe in detail surface methods of groundwater exploration.						
	OR						
	Write short notes on:-						
	a)						
	b)	Desig	Design of wells.				
	c)		Hydrographs.				
	d)	Metho	lethods of well construction.				
4.	Describe in detail management of groundwater resources.						
	OR						
	Write short notes on:-					1 .	
	a) c)	•	nctive use of groundwater. adwater legislation.	b) d)	Artificial recharge to grou Role of NGO's in watersh		
5.	Write short notes.						
	a) Aquifer system.						
	b)	Reyno					
	c) Causative factors of groundwater level fluctuations.						
	d) Fluorosis						
	e)	Stead					
	f)	Pump					
	g)	_	shed characters.				
	h)	Rainv	vater harvesting.				

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