No. of Printed Pages: 2

RGYE-113

Ph.D. GEOLOGY (PHDGY)

00192

Term-End Examination

June, 2018

RGYE-113: HYDROGEOLOGY

Time: 3 hours		Maxin	Maximum Marks : 100		
Not	te: Answer any five equal marks.	questions. All	questions	carry	
1.	Describe the geologica Explain the occurre	_			
	sedimentary formation	ıs.		20	
2.	Discuss in detail the of exploration in groun		ity method	20	
3.	Define Darcy's law. If govern the steady and flow to wells.				
4.	Write in detail about t	he groundwate	r provinces		
	of India.			20	
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5.	Explain vertical distribution of groundwater with a neat sketch. Add a note on specific			
	retention and specific yield.	20		
6.	Discuss the various computer models used in the study of aquifers.			
7.	Write short notes on any two of the following: 2×16	0=20		
	(a) Groundwater Pollution(b) Unconfined Aquifer(c) Jetted Wells			
	(d) Flow Nets			
8.	Write short notes on any two of the following: 2×10^{-5}	0=20		
	(a) Age Dating of Groundwater(b) Groundwater Management			
	(c) Design of Wells			
	(d) Cone of Depression			