		Reg. No. :								
Question Paper Code: 59101										
B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020										
Elective										
Civil Engineering										
15UCE901- HYDROLOGY										
(Regulation 2015)										
Dura	ation: 1.15 hrs				Maximum: 30 Marks					
PART A - $(6 \times 1 = 6 \text{ Marks})$										
(Answer any six of the following questions)										
1.	Rainfall is also known	n as			CO1- R					
	(a) Precipitation	(b) Condensation	(c) Infiltration		(d) Down pour					
2.	How many types of ra	ain gauges are there	?		CO1- R					
	(a) 2	(b) 3	(c) 4		(d) 5					
3.	The surface Run-off is the quantity of water CO2- R									
	(a) Absorbed by soil (b) Intercepted by			buildings and vegetative cover						
	(c) Required to fill surface depressions (d) That reach			ne stream ch	annels					
4.	What does a hydrogra	CO2- R								
	(a) Variations in sediment concentration against river discharge									
	(b) Variations in water temperature against discharge									
	(c) Variations in river discharge over time									
	(d) Variations in snowfall over time									
5.	Period of dry weather longer than normal is known as CO3- R									
	(a) Flood	(b) Disaster	(c) Drought		(d) Famine					
6.	Flat land next to river is known as									
	(a) Flood plain	h (b) Drought Plain (c) Valleys (d) Scarcity								

7.	The reservoirs for small storage and short pe	CO	4- R							
	(a) Storage and conservation reservoirs	(b) Flood control reservoir	'S							
	(c) Distribution reservoirs	(d) Drought control reservoirs								
8.	The level up to which the reservoir shall be full of water is called CO4-									
	(a) High level (b) Maximum level	(c) Pool level	(d) Surface le	vel						
9.	Permeability is		CO	5- R						
	(a) the ability of a solid to allow fluids to pass through									
	(b) the process by which plants release water vapor to the atmosphere									
	(c) the amount of water vapor in the air relative to the maximum amount of water vapor the air can hold									
	(d) the percentage of pore space in the rock									
10.	The boundary between the saturated zone and the unsaturated zone is called the CO5- R									
	(a) Water table (b) Aquifer	(c) Aquiclude	(d) Porosity							
	PART – B (3 x 8= 24 Marks)									
(Answer any three of the following questions)										
11.	Explain the process of evapotranspiration and	the process of evapotranspiration and its measurement.		(8)						
12.	Explain the various climatic factors affecting	CO2- U	(8)							
13.	Explain flood wall and levees with suitable f	CO3- U	(8)							
14.	Explain with neat sketch storage zone of a re	CO4- U	(8)							
15.	What is Darcy's law? What are its limitation the coefficient of permeability of soil?	CO5- U	(8)							

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