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Internal Assessment Test 1 – September 2018

Sub:	Sub: Hydrology and Irrigation Engineering Sub Code: 15CV73 Brance						Branch:	CIVI	TL		
Date:	08-09-2018									OBE	
Answer All from Part A and any Three from Part B Part A								MA	MARKS		RBT
1. Define hydrology. Draw the engineering representation of hydrologic cycle.								[05]	CO1	L1
2. Explain the various types of precipitation. Draw and explain the working of siphon rain gauge.							hon [05]	CO2	L1	
3. What are the factors affecting evaporation? How evaporation is measured for a given lake?							or a [05]	CO2	L2	
4. How is evapo-transpiration measured? Differentiate between PET and AET.						[05]	CO2	L2		
Part B											
5. The average rainfall of 5 rainguages in a basin are 89, 54, 45, 41 and 55 cm. If the error in the estimation of the basin mean rainfall should not exceed 10%, how many additional gauges should be installed in the basin?									10]	CO2	L3

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Internal Assessment Test 1 – Sep. 2018

Sub:	Sub: Hydrology and Irrigation Engineering					Sub Code:	15CV73	Branch:	CIV	IL		
Date:	ate: 08-09-2018 Duration: 90 min's Max Marks: 50 Sem/Sec: VII A &B									OBE		
	<u>A</u>	Answer any F (OUR from Pa	rt A and any Th	ree fi	rom Part B		MA	RKS	СО	RBT	
1.	Define hydro	ology. Draw		Part A ering represen	ıtatio	n of hydrole	ogic cycle.	[0	05]	CO1	L1	
2.	Explain the vrain gauge.	various type	s of precipi	tation. Draw a	ınd e	xplain the v	vorking of sip	hon [05]	CO2	L1	
3.	3. What are the factors affecting evaporation? How evaporation is measured for a given lake?						ora [(05]	CO2	L2		
4.	How is evape	o-transpirati	ion measure	ed? Differentia	ate be	etween PET	and AET.	[(05]	CO2	L2	
				Part B								
5.	The average rerror in the es additional gau	timation of	the basin m						10]	CO2	L3	



