Registration No :																
Jerri															B.Tech PECI5401	
7 th Semester Back Examination 2019-20 WATER RESOURCES ENGINEERING BRANCH : CIVIL Time : 3 Hours Max Marks : 70 Q.CODE : HB261 Answer Question No.1 which is compulsory and any FIVE from the rest. The figures in the right hand margin indicate marks.																
Q1	a) b) d) e) f) h) i) j)	Answer the following questions :(2Classify the rainfall depending upon the intensity.(4What is pan coefficient?(5Draw flow rating curve.(7What is IUH?(7State the relation between ERH and DRH.(7Why do you provide river training works?(7State Dicken's formula.(7Define sub critical, critical and super critical flow.(7State the fundamentals of the most economical channel.(7What are Quays and Jetties?(7														
Q2	a) b)	Discuss the components of hydrologic cycle. How do you calculate the mean rainfall?														
Q3	a) b)	Illustrate the different methods used to measure the stage in a river. Explain slope area method, used for discharge measurement.														
Q4	a)	Rainfall of ma durations on a flow at the out Time from start of rainfall (h) Observed flow(m ³ /s)	a cato	chme f the 0	nt of	f are	a 27	km ²	proc ate th 30	lucec ne rai 36	l the nfall	follow exces	ving h	ydrogi	raph of	(5)
	b)	Explain the procedure of deriving Synthetic unit hydrograph for a catchment by using Snyder's method. (5)														
Q5	a) b)	÷ .														(5) (5)
Q6		Define specific energy. Draw a neat sketch of specific energy curve for a rectangular channel showing all its details.														(10)
Q7		Enlist the feature of a port.														(10)
Q8	a) b) c)	Write short notes on any TWO : Current meters used for velocity measurement in channel Gradually and rapidly varied flow Muskingum routing method													(5 x 2)	