Total	No	o. of Questions : 8] SEAT No. :		
PA-	-90		o. of Pages : 2	
		[5927]-332		
		B.E. (Civil)		
	II	INTEGRATED WATER RESOURCES PLANNING AND		
		MANAGEMENT		
		(2019 Pattern) (Elective-III) (Semester-VII) (401003 C)		
		[Max. Mar	rks:70	
	исно 1)	tions to the candidates: Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.		
	2)	Neat diagrams must be drawn wherever necessary.		
	3)	Figures to the right side indicate full marks.		
	<i>4</i>)	Assume suitable data if necessary.		
01)	٥)	Justify importance assessment of just week quality and write a brid	of noto	
<i>Q1</i>)	a)	Justify importance assessment of river water quality and write a brie on prevention and control of surface water pollution.	[10]	
	b)	What is water quality monitoring for basins.	[8]	
		QR	(
()2)	(ر	What is Environmental Impact Assessment (EIA) and what of	oro ita	
Q2)	a)	What is Environmental Impact Assessment (EIA) and what a objectives, state methodology to carryout EIA.	[19]	
	4 \		X.O	
	b)	State any four CPCB regulations regarding water pollution control	[8]	
		8.		
Q3)	a)	State and explain principles of planning and financing water of	water	
		resources projects.	[10]	
	b)	Explain how water is economic good.	[7]	
	٠,		[.]	
		OR OR		
Q4)	a)	Explain framework for planning a sustainable water future.	[10]	
	b)	Explain in brief economics and decision making in IWRPM	[7]	

P.T.O.

<i>Q</i> 5)	a)	What are water crises, explain its global and national perspective	[10]
	b)	State and explain rural local governing body water laws.	[8]
		OR	
Q6)	a)	State and explain UN laws on non-navigable uses of international vicourses	water [10]
	b)	State any four municipal corporation laws regarding water supply drainage.	and [8]
<i>Q7</i>)	a)	Explain in detail role of dam in flood control and power generation its importance in IWRPM.	n and [10]
	b)	Explain importance of management of flood plains OR	[7]
Q 8)	a)	What is flood forecasting, what are the methods to forecast flood.	[10]
2 - 7		Explain application of soft computing in flood control.	[7]
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