Seat No.:	Enrolment No.

Subject Code: 2723303

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II • EXAMINATION - SUMMER - 2017

Sul	bject	Name: Water Resource Planning	
Tin	ne: 0	2:30 PM To 05:00 PM Total Marks: 70)
Inst	ructio	ons:	
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
0.4	()		^-
Q.1	(a)	J	07
	(1.)	with reference to Indian context.	^-
	(b)		07
0.0	()	detail.	^=
Q.2	(a)		07
		the overall development of country.	
	(b)		07
		policy	
	(1.)	OR	^-
	(b)	Enlist and discuss the management strategies for water resources planning	07
Q.3	(a)	Draw a neat sketch and explain about various storage zones of reservoir.	07
	(b)		07
	` '	discuss about the factors to be considered to reduce the negative environmental	
		impacts of water resources project	
		OR	
Q.3	(a)	How do you carry out Social impact of water resources project? Also discuss	07
		about the factors to be considered to provide essential benefits of water	
		resources project	
	(b)	Write short notes on:	07
		(1) Inter basin transfer (2) Reservoir working table	
Q.4	(a)	Discuss about	07
		(1) Procedure to plan new reservoir	
		(2) Benefit cost analysis of water resources project	
	(b)	Write short notes on:	07
		(1) Water laws and polices (2) Reservoir operation	
		OR	
Q.4	(a)	1	07
		Support your answer with reference to Indian context.	
	(b)	<i>E</i>	07
		for the planning of water resources.	
Q.5	(a)	Explain various feasibility surveys carried out for the planning and developing	07
		water resources project.	
	(b)	Describe the terms of Feasible service time and Full service time	07
		OR	
Q.5	(a)	Describe about the issues associated with water resources projects and also	07
	.	suggest its remedial measures.	c =
	(b)	Write short notes on:	07
		(1) Financing of water development projects (2) Multipurpose projects ***********************************	

Date:29/05/2017