Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY ME - SEMESTER-I(NEW) • EXAMINATION - SUMMER 2016

Date: 05/01/2017

Subject Code: 2711402			Date: 05/01/2017	
Tir	ne: 0 tructio 1. 2.		: 70	
Q.1	(a)	What do you mean by Automation? Explain objectives on Automation in Construction.	07	
	(b)	Differentiate between modular zone/plane, controlling zone/plane and coordinating zone/plane with essential sketch.	07	
Q.2	(a)	State aims & objectives of modular co-ordination & also discuss practical benefits of modular coordination.	07	
	(b)	Write steps and its explanation for construction below the water table. OR	07	
	(b)	Write Short note on Sealed cofferdam.	07	
Q.3	(a)	 Enlist and explain dewatering technique in details. (Any Two) Open Dewatering System Electro Osmosis Method Multiple Well Point System 	07	
	(b)	Write advantages & disadvantages of the slurry trench method for dewatering system.	07	
Q.3	(a)	OR What are the various Geo-membranes used in reservoir construction. Explain with respect to life span/durability and strength parameter.	07	
	(b)	Explain operational sequences for tunnel.	07	
Q.4	(a) (b)	Discuss advantages of Rib-Loc technology. Explain various problems occur during the continuous concreting operation. OR	07 07	
Q.4	(a) (b)	Discuss the benefits of Lifting technology in Construction. Enlist and explain various formwork failures.	07 07	
Q.5	(a)	What is meant by temporary structures? Discuss the importance of temporary structures.	07	
	(b)	Write short note on Suspended Scaffolds. OR	07	
Q.5	(a) (b)	Write short note on "Nanotechnology & concrete". Explain the essential of repair for the civil structure.	07 07	
