Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017	
St	ubjec	t Code: 2181704 Date: 29/04/20	17
T	ime: structi		70
	2	Attempt all questions.Make suitable assumptions wherever necessary.Figures to the right indicate full marks.	
Q.1	(a)	Write short notes on the following: 1. CPM Vs. PERT technique 2. Crash Time.	07
	(b)	Define S-curve and write short note on S-curve.	07
Q.2	(a)	Write short note on following management functions: 1. Controlling 2. Directing	07
	(b)	Explain type of projects and types of contracts. OR	07
	(b)	Define project management. Explain quality and organization structure with detailed engineering.	07
Q.3	(a)	Enlist various project engineering documents and drawing. Explain process flow sheets and mechanical flow sheets.	07
	(b)	Explain electronic and pneumatic wiring diagram. OR	07
Q.3	(a) (b)	Compare electronics Vs. pneumatic system. Write short note on design criteria for analytical instruments	07 07
Q.4	(a) (b)	Explain control valve check out procedure Enlist various types of Level Instruments and narrate its selecting methods. OR	07 07
Q.4	(a) (b)	Enlist various types of Flow Instruments and narrate its selecting methods. Enlist various types of Temperature Instruments and narrate its selecting methods.	07 07
Q.5	(a) (b)	Write short note on control valve selection Enlist various types of control valve and explain control valve characteristic with diagram.	07 07
05	(2)	OR Enlist various types of Flow and temp. Transmitter, Narrets important points	07
Q.5	(a)	Enlist various types of Flow and temp. Transmitter. Narrate important points about loop checking of flow transmitter and temperature transmitter. What is need of ISO process in plant? Enlist process of ISO 9000 test standards.	07
	(b)	What is need of ISO process in plant? Enlist process of ISO 9000 test standards and calibration.	07
