

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2181704****Date: 26/11/2018****Subject Name: Project Engineering and Management****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Define the term “project” and its purpose in Engineering.	03
	(b) Define Degree of automation in Project management.	04
	(c) Discuss Basic and detailed engineering Project Management.	07
Q.2	(a) Define life-cycle phases of project planning	03
	(b) Explain term: <ol style="list-style-type: none"> 1. Project breakdown structure and planning cycle. 2. Project specification. 3. Bar charts related to project management. 	04
	(c) Define Project S curve. Discuss CPM & PERT Methods.	07
	OR	
Q.3	(c) Explain EPC and BOOT types of projects in detail.	07
	(a) Define term Project Reviews.	03
	(b) Explain Projects specifications	04
	(c) Explain project controlling and project planning, scheduling in details. .	07
OR		
Q.3	(a) Enlist various types of project management function.	03
	(b) Explain Cost breakdown structures and planning cycle.	04
	(c) Discuss advantages of Project management.	07
Q.4	(a) List methods used for flow and pressure measurement.	03
	(b) Explain temp. Transmitter loop checking process	04
	(c) Explain any one level measurement method in detail.	07
OR		
Q.4	(a) Enlist control valve based on their function.	03
	(b) Explain control valve coefficient.	04
	(c) Discuss control valve noise problem in detail.	07
Q.5	(a) Define 4 to 20 mA standard.	03
	(b) Compare single seat, multi seat, split rang, valve range ability related to control valve	04
	(c) Discuss ISO 9000 test standard and calibration.	07
OR		
Q.5	(a) Define: (1) valve flow capacity Cv (2) rangeability (3) cavitation.	03
	(b) Discuss control valve flow characteristics.	04
	(c) What is Loop check? Write check-out procedure for filled system temperature transmitter	07
