Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER–VI. EXAMINATION – SUMMER 2016

Subject Code:X61904 **Date:09/05/2016**

Subject Name:Industrial Engineering

Time:10:30 AM TO 01:00 PM **Total Marks: 70**

Instructions:

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

Q.1	**(a)**	What is P.P.C.? Give the major objectives of the same	**07**
	(b)	Explain in brief exponential smoothing method for demand forecast	**07**
Q.2	**(a)**	Which are the major factors affecting plant location?	**07**
	(b)	Give various ways to improve productivity and explain at least one way with the help of suitable example.	**07**
		OR	
	(b)	Explain various job sequence methods.	**07**
Q.3	**(a)**	What is entrepreneur and explain his major characteristics.	**07**
	(b)	Differentiate (1) Process layout and product layout plan (2) Production and productivity	**07**
		OR	
Q.3	**(a)**	Define wages and explain in brief various types of incentives	**07**
	(b)	What are factories act? As per the factories act 1948 what are the major provisions for safety and health.	**07**
Q.4	**(a)**	Define following terms (1) Quality control (2) Quality assurance (3) Quality audit	**07**
	(b)	Explain procedure for drawing P chart.	**07**
		OR	
Q.4	**(a)**	What is meaning of term S.Q.C.? Explain operating characteristic curves for acceptance sampling.	**07**
	(b)	Explain procedure for drawing X bar - R chart.	**07**
Q.5	**(a)**	Differentiate between Micro and Motion study. Explain in brief various techniques for micro motion study.	**07**
	(b)	Write short notes on Two handed process chart	**07**
		OR	
Q.5	**(a)**	Define method study and explain technique with its various steps.	**07**
	(b)	What is work measurement? List various techniques of work measurement.	**07**

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