Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

PDDC - SEMESTER-VI EXAMINATION - WINTER 2015

Subject Code:X61904 Subject Name: Industrial Engineering Time: 02:30pm to 05:00pm Instructions:			Date:08/12/2015 Total Marks: 70	
		02:30pm to 05:00pm Total Marks		
1115	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	State various government incentives to entrepreneurs. Discuss main objectives of Special Economic Zone (SEZ) and state advantages of SEZ.	07 07	
Q.2	(a)	What is line of balancing? discuss in detail assembly line balancing taking suitable example	07	
	(b)	What is process planning? Discuss the factors influencing process planning. OR	07	
	(b)	What is Productivity? Give various ways to improve productivity and also Explain at least one way, with the help of suitable example.	07	
Q.3	(a)	What is method study? Explain in brief various charts and diagrams utilized in method study.	07	
	(b)	What are factories act? What are major provisions for safety and health? OR	07	
Q.3	(a)	State the relationship between cumulative timing and fly back timing. How standard time is calculated?	07	
	(b)	Define Work Measurement & Qualified Worker and discuss why job is broken down in to elements?	07	
Q.4	(a) (b)	Define wages and explain in detail various types of incentives. What is term S.Q.C.? Explain operating characteristic curves for acceptance Sampling.	07 07	
		OR		
Q.4	(a) (b)	What is the industrial dispute? Discuss the process of resolving industrial disputes through the Industrial Dispute Act. Discuss – Sampling Plans.	07 07	
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Q.5	(a)	Write a note on (Any Two) 1. Flow process chart 2. String Diagram 3. Two handed process chart	07	
	(b)	What is therblig? State the importance of micro motion study. OR	07	
Q.5	(a)	Explain Six Sigma and TQM.	07	
	(b)	Discuss the following sales forecasting: (1) Exponential smoothing (2) Method of weighted moving average.	07	
