Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY PDDC - SEMESTER-VI • EXAMINATION - WINTER • 2014

Subject Code: X61904 Subject Name: Industrial Engineering			Date: 06-12-2014	
Ti	me: () tructio	02:30 pm - 05:00 pm Total Marks: 7	0	
	2.			
Q.1	(a)	State the objectives of Plant Layout. Enlist the various types of layout and	07	
	(b)	compare any two. Explain Production Planning and Control. Discuss the objectives of Production Planning and Control.	07	
Q.2	(a)	Discuss the following methods of sales forecasting (1) exponential smoothing (2) methods of weighted moving everyore	07	
	(b)	(2) methods of weighted moving average Explain Flow process chart- worker type with suitable example. OR	07	
	(b)	State the relationship between productivity and work study. Explain various tools for increasing productivity.	07	
Q.3	(a) (b)	Differentiate between cumulative timing and fly back timing What is the industrial dispute? Discuss the process of resolving industrial disputes through the Industrial Dispute Act. OR	07 07	
Q.3	(a) (b)	Write a short note on: "Job Evaluation Techniques" Write a short note on: "Factories Act, 1948"	07 07	
Q.4	(a)	What is Productivity? Discuss the factors affecting the productivity of the manufacturing organization.	07	
	(b)	Discuss – Standardization and Simplification. OR	07	
Q.4	(a) (b)	What is therblig? State the importance of micro motion study. Define the control chart. Discuss the control charts for variables.	07 07	
Q.5	(a) (b)	Explain the applicability of P chart and C chart Discuss the incentives which are being given to the entrepreneurs by the government.	07 07	
		OR		
Q.5	(a) (b)	Discuss concept of "Quality Circle" Explain in brief Six Sigma	07 07	