Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VI(NEW) – EXAMINATION – SUMMER 2019

Subject Code:2161907   **Date:18/05/2019**
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.**
   1. **Figures to the right indicate full marks.**

			MARKS
Q.1	(a)	State objective of good plant layout.	03
	(b)	State advantages of rural area for site selection for industries.	04
	(c)	What is production planning and control? Explain the functions of PPC.	07
Q.2	(a)	State the importance of micro motion study	03
	(b)	Why standardization need in industries?	04
	(c)	Write short note on two handed process chart.	07
		OR	
	(c)	Explain the procedure of work study. State the applications of work study in industry.	07
Q.3	(a)	Why entrepreneurship required in industry?	03
	(b)	Explain in brief flow chart.	04
	(c)	List various methods of sales forecasting and explain exponential smoothing method.	07
		OR	
Q.3	(a)	Define route sheet also state its importance.	03
	(b)	Explain in brief travel chart.	04
	(c)	What is work measurement? List various methods of work measurement and explain how standard time is calculated.	07
Q.4	(a)	List sources of finance of business.	03
	(b)	State difference between job evaluation and merit rating.	04
	(c)	Define wages and explain in detail various types of incentives.	07
		OR	
Q.4	(a)	Define term (1) Inspection (2) T.Q.M. (3) Quality control	03
	(b)	Distinguish consumer's risk and producer's risk	04
	(c)	Define productivity? Give various ways to improve productivity and also explain any one with suitable example.	07
Q.5	(a)	What is industrial dispute?	03
	(b)	What is loading and scheduling?	04
	(c)	Write short note on Factory Act, 1948	07
		OR	
Q.5	(a)	Explain need of control charts.	03
	(b)	State various types of plant layout and explain any one in detail.	04
	(c)	Explain concept of quality circle in detail.	07

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