

GUJARAT TECHNOLOGICAL UNIVERSITY**BVOC - SEMESTER-VI EXAMINATION – SUMMER 2022****Subject Code:1160302****Date:04-06-2022****Subject Name:Production Planning & Control****Time:10:30 AM TO 12:30 PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		Marks
Q.1	(a) Discuss various components of forecasting demand.	05
	(b) Explain the Selection for forecasting technique.	05
Q.2	(a) Enlist different types of sequencing methods and explain any one of them.	05
	(b) Discuss the application of CPM and PERT techniques.	05
OR		
	(b) What are Priority rules? Explain in brief.	05
Q.3	(a) Classification Capacity Planning and explain Importance of Capacity Planning.	05
	(b) What is the procedure for Capacity Planning explain in detail?	05
OR		
Q.3	(a) Explain the SEVEN steps for Capacity Planning.	05
	(b) Which are the Alternative ways of Modifying Capacity?	05
Q.4	(a) What are the needs of Facility Location Planning?	05
	(b) Explain in details the different Factors Affecting Facility Location Decisions.	05
OR		
Q.4	(a) What are the Prerequisites for Developing a Facility Layout?	05
	(b) Explain in detail the Techniques for Designing a Facility Layout.	05
Q.5	(a) Explain Types of Service Facility Layouts?	05
	(b) Explain the qualitative and quantitative techniques of location.	05
OR		
Q.5	(a) Explain the function of Routing, scheduling, dispatching.	05
	(b) Difference between batch production and mass production systems	05
