

GUJARAT TECHNOLOGICAL UNIVERSITY**MBA - SEMESTER– III EXAMINATION – WINTER 2020****Subject Code:4539273****Date:07/01/2021****Subject Name:Specialization-POM_Production Planning and Control (PPC)****Time:10:30 AM TO 12.30 PM****Total Marks: 47****Instructions:**

1. Attempt any **THREE** questions from Q1 to Q6.
2. **Q7** is compulsory.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

Q. No.	Question Text and Description	Marks
Q.1	Definitions or short questions based on concepts of theory/practical. (a) Production Planning and Control (b) Aggregate Planning (c) Unplanned Maintenance	06
Q.1	Definitions or short questions based on concepts of theory/practical. (d) Layout planning (e) Bill of Material (f) Maintenance Management	06
Q.2	(a) What is demand forecasting? Discuss about different types of quantitative forecast.	06
	(b) Which are different types of Production systems? Explain all of them with an example.	06
Q.3	(a) What is Scheduling? Explain different principles of scheduling with the help of an example.	06
	(b) What is Layout planning? Explain the facility layout objective.	06
Q.4	(a) Differentiate between short term forecast, intermediate term forecast and long-term forecast.	06
	(b) Which are aggregate planning strategies? Discuss different types of strategies considering an example of your choice.	06
Q.5	(a) Discuss briefly about Master production schedule. Which are the functions of Master production schedule.	06
	(b) What is the the importance of maintenance management in PPC? Discuss about different types of maintenance management.	06
Q.6	(a) What is the importance of industrial safety? Discuss about some safety equipment used in the companies.	06

- (b) Discuss Product Process matrix in terms of product volume and product standardization with the help of an example. **06**
- Q.7 CASE STUDY:**
An ABC ltd. Company wants to start its new manufacturing unit of electric car in Gujarat. They have appointed YOU as a Planning manager. To execute the plan and start the manufacturing unit YOU need to get the answers of few questions and present it in front of the board members of ABC ltd.
Answer the below mentioned four questions for the same.
- (a) What is Production planning and control and how you will present the same to the company? **5.5**
- (b) Explain the planning phase as a first stage of production planning and control. **5.5**
- OR**
- Q.7** (a) Which are the different production planning and control functions and objectives which needs to be discussed? **5.5**
- (b) Discuss control phase as a last stage of production planning and control and why it is important to discuss about control phase in the beginning. **5.5**
