

Enrolment	No.
-----------	-----

## www.FirstRanker.com www.FirstRanker.com GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) EXAMINATION - WINTER 2017

Subject Code: 2171501 Date: 02/11/2017

Subject Name: Operations Planning & Control

Time: 10:30 AM TO 01:00 PM Total Marks: 70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

			MARKS			
Q.1	(a)	What are different types of production?				
	(b)	,				
	(c)	What is 'Process planning'? Explain process planning procedure.	07			
Q.2	(a)	What is scheduling?	03			
	(b)	Explain Index method of scheduling.	04 07			
	(c)	71 1				
		OR Discuss pure strategies of aggregate planning with example.  0'				
	(c)	,				
Q.3	(a)	What is dispatching?	03 04			
	(b)					
	(c)					
Q.3	(a)	What is 'Break even analysis'?	03			
Q.S	(b) Discuss usefulness and limitations of 'Break even analysis'					
		Discuss MRP and its four fundamental inputs.	04 07			
0.4	-	Classify sales forecasting techniques.				
		Discuss Master Production Scheduling.	04			
	(c)					
		for following data :				
		Job 1 2 3 4 5 6				
		Processing Lathe 3 6 4 10 11 7				
		Time (hrs.) Shaping 4 6 8 3 9 6 5				
OR O.4 (a) Explain scope of scheduling with example. 03						
Q.4	. ,					
	(b)	, 1				
	(c)					
Q.5	(a)	1 1 7				
	(b)					
	(c)					
	work stations and line efficiency:  Operation A B C D E F G H					
		Operation         A         B         C         D         E         F         G         H           Time         3         7         8         4         2         5         23         8				
		(In Min.)				

OR

- Q.5 (a) What is aggregate planning?
- 03 04
  - (b) Discuss Economic Manufacturing Quantity.
  - (c) Discuss Route sheet preparation with an example. 07

\*\*\*\*\*

