

**IV B.Tech I Semester Supplementary Examinations, November 2005**  
**PRODUCTION PLANNING AND CONTROL**  
**(Production Engineering)**

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions  
 All Questions carry equal marks

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1. (a) What is a blank? Explain the selection of blank.  
 (b) Explain:
  - i. Availability chart
  - ii. Load charts
  - iii. Capability chart. [8+8]
2. What is "Process Planning sheet"? What is its significance? Explain it with an example. [16]
3. (a) Explain various types of forecasting.  
 (b) Find the MAD (Mean Absolute Deviation) and MSE (Mean Square Error) for the following forecast. [8+8]

Period	1	2	3	4	5	6	7	8	9
Actual Demand	105	96	102	97	121	118	119	123	121
forecasted Demand	100	100	100	100	101	102	103	104	105

4. (a) What is inventory ? Explain different types of inventories.  
 (b) What are symptoms that indicate poor inventory management in an organization. [8+8]
5. (a) Define Line of Balance (LOB). Explain the Produce of Banking a line.  
 (b) What are the requirements need to be satisfied the LOB. [6+10]
6. Draw a schedule chart and a load chart for the following data

Jobs	Time in Hrs on Machines	
	x	y
A	2	4
B	5	2
C	1	3

Give order of machine is first on x and then on y. [16]

7. When the company is manufacturing a Product whose demand is fluctuates in the market . What strategies it has to adopt to match capacity and demand. Explain. [16]

8. (a) Define follow up.  
(b) What be the function of follow up section ?  
(c) List the cause the follow up section trees to check up.

[4+8+4]

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