

IV B.Tech I Semester Supplementary Examinations, April/May 2005
PRODUCTION PLANNING AND CONTROL
(Production Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain in detail about the Process Plan of a product.
 (b) Explain the common steps which are generally followed by all process planners.
2. (a) Explain the piece Production / job Production with examples.
 (b) Explain various types of job Production with examples.
3. (a) Explain various types of forecasting.
 (b) Find the MAD (Mean Absolute Deviation) and MSE (Mean Square Error) for the following forecast.

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

4. (a) What are the advantages of ABC analysis?
 (b) What are the limitations of ABC analysis?
 (c) How VED analysis overcome the limitations of ABC analysis?
5. (a) Define P - System ? When you recommend this for controlling invenrtry?
 (b) How is the reorder point determined ? What is the significance of the reorder points to the production manager ?
6. (a) Define routing ?
 (b) Discuss different routing procedure
7. (a) What is scheduling? What are the different scheduling methods?
 (b) What is aggregate planning? Explain the pure strategies of aggregate planning?
8. (a) Explain briefly the dispatching activities.
 (b) Explain the necessity of close control in dispatching activities ?
