

Code No: R4203A**R10****Set No. 1****IV B.Tech II Semester Supplementary Examinations, July/August - 2017****PRODUCTION PLANNING AND CONTROL****(Common to Mechanical Engineering and Automobile Engineering)****Time : 3 hours****Max. Marks : 75**

Answer any Five Questions
All Questions carry equal marks

1. a) Distinguish between production planning and production control and state their objectives.
b) Discuss the control elements of production planning.
2. a) What is the importance of forecasting? Explain its types.
b) Explain moving average method in detail.
3. a) What is ABC analysis? Why is it necessary? What are the basic steps in implementing it? Explain.
b) Write any five differences between P-system and Q-system.
4. a) What is JIT? Explain its importance in manufacturing industry? Also write its merits and demerits.
b) Discuss MRP- I & MRP- II.
5. a) What are the factors affecting routing procedure? Explain in detail.
b) Write a short note on loading.
6. Discuss briefly the different factors affecting scheduling and different techniques for priority decisions in scheduling.
7. What is aggregate planning? What are the merits and demerits of three pure strategies of aggregate planning process?
8. Compare and discuss the functioning of centralized and decentralized dispatching in a toy manufacturing plant.