

Code No: **R4203A****R10****Set No. 1****IV B.Tech II Semester Supplementary Examinations, April/May-2017****PRODUCTION PLANNING AND CONTROL****(Mechanical Engineering)****Time : 3 hours****Max. Marks: 75****Answer any FIVE Questions****All Questions carry equal marks****\*\*\*\*\***

1. a) What is the need of PPC? Explain.  
b) Discuss organization of Production planning and control department.
2. What is the role of forecasting in the following types of companies: (i) an automotive manufacturing company that builds cars to order (ii) service provider for CAM software.
3. a) What are the basic ideas involved in EOQ concept? Discuss.  
b) Name the selective inventory techniques. Discuss the advantages of VED analysis.
4. Explain the concept of JIT. How does it help the manufacturing system to improve productivity?
5. a) Differentiate between loading and scheduling.  
b) Discuss factors affecting the routing procedure.
6. Explain Standard scheduling methods with their advantages and disadvantages.
7. Discuss briefly the process of chase planning.
8. What is dispatching? Explain the activities of dispatcher. Discuss dispatching procedure in detail.