

Code: R7 420301

R7

B.Tech IV Year II Semester (R07) Advanced Supplementary Examinations, June 2012

PRODUCTION PLANNING AND CONTROL

(Mechanical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

- 1 Discuss the salient features of the various functions of production planning and control. Explain with a sketch as to how these functions are interdependent.
- 2 What is the difference between forecasting and prediction? Explain the various time series models of forecasting and compare them.
- 3 Compare ABC and VED analyses of inventory models.
- 4 Explain terms master production schedule and bill of materials. Explain various features of ERP.
- 5 Differentiate between loading and scheduling. Explain the various routing procedures.
- 6 Discuss various types of scheduling methods.
- 7 Describe various aspects of aggregate planning.
- 8 Write short notes on:
 - (a) JIT inventories.
 - (b) Dispatching activities.
