

Roll No.

23055

**M. Tech 1st Semester (Mech.
Engg.) (Manufacturing &
Automation)**

Examination–May, 2015

**Design Planning & Control of Production
Systems**

Paper-834

Time : 3 hours

Max. Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt any **five** questions from the following :

1. Explain life cycle approach to Production Management with an example and also give its advantages and disadvantages. [20]

2. What do you mean by production systems ?
Explain the generalized model and types of production systems in detail. [20]
3. Discuss different stages in New Product development. [20]
4. Explain inertial about selection of location among alternatives with systematic layout planning, objectives and its types. [20]
5. What is material requirement planning ?
Explain with a model and with its objectives. [20]
6. Explain a leading economic indicator, a coincident indicator and a lagging Indicator. Are they equally desirable for forecasting purposes? Explain. [20]
7. Discuss and explain different elements of monitoring and control of production system. [20]

8. Write short notes on :

(a) Assembly line balancing [10]

(b) Break even analysis. [10]