

# Paper ID [PE515]

(Please fill this Paper ID in OMR Sheet)

**M.Tech.**

## MANAGEMENT OF PRODUCTION SYSTEMS (PRE - 514/515)

Time : 03 Hours

Maximum Marks : 100

### Instruction to Candidates:

- 1) Attempt any **Five** questions.
- 2) **All** questions carry equal marks.

- Q1)** (a) Explain the main functional elements of a system.  
(b) Differentiate between a manufacturing and a service system.
- Q2)** What is motivation. Explain the role of motivation in improving the employee satisfaction.
- Q3)** (a) Establish a relationship between Quality and Productivity.  
(b) Describe the concept of Zero Inventory.
- Q4)** (a) What is the need of simulation in problem solving.  
(b) Explain with an example any quantitative technique used for problem solving.
- Q5)** Explain enterprise resource planning and describe how it is different from MRP I and MRP II.
- Q6)** Explain the increasing complexity in distribution and production due to liberalisation, privatisation and globalisation of Indian Industry.
- Q7)** Sketch and explain a man machine system for human integration.
- Q8)** Explain the role of computers in the following
- (a) Human Resource Development
  - (b) Management Information System
  - (c) Simulation
  - (d) Industrial dynamics

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