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Total Number of Pages : 01

**M.Tech
PDPE105**

**1st Semester Back Examination 2017-18
PRODUCTION MANAGEMENT
BRANCH : PRODUCTION ENGG,
PRODUCTION ENGG AND OPERATIONAL MGT
Time : 3 Hours
Max Marks : 70
Q.CODE : B1156**

**Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.**

- Q1 Answer the following questions: (2 x 10)**
- a) Why production systems are important?
 - b) Why demand forecasting is necessary?
 - c) State the objectives of the production management.
 - d) How will you classify decision making in operations management?
 - e) What are the advantages of JIT purchasing?
 - f) Explain production strategy.
 - g) Define the term materials management.
 - h) What activities are involved in the operations function?
 - i) Explain the uses of Gantt chart.
 - j) Differentiate CORELAP and CRAFT.
- Q2 Give a detailed note on operation of MRP system. (10)**
- Q3 Explain the role of computer in simulation. (10)**
Discuss the need of simulation in problem solving.
- Q4 What is motivation? Explain the role of motivation in improving the employee satisfaction. (10)**
- Q5 Discuss the role of operations in strategic management. (10)**
- Q6 Explain the determinants of demand, demand patterns and measures of forecast error in detail. (10)**
- Q7 What is distribution? What channels of distribution would you select for marketing soft drinks? Give reasons for the selection. (10)**
- Q8 Write short notes on any Two : (5 x 2)**
- a) Safety stock
 - b) Service level
 - c) Assembly line balancing
 - d) EOQ