

Roll No .....

**MVCP-301(D)**

**M.E./M.Tech., III Semester**

**Examination, December 2016**

**Operations Management**

**Time : Three Hours**

**Maximum Marks: 70**

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.  
iii) Assume suitable data if required.

1. a) Explain the characteristic of modern production and operations function. 7  
b) Explain in detail the nature of International operation management. 7
2. a) Explain the recent trends in production and operation strategy. 7  
b) Define the forecasting and explain forecasting techniques. 7
3. a) Explain in detail the capacity requirements planning. 7  
b) Explain the aggregate planning-approaches and costs. 7
4. a) Explain the influencing factors which are required for product design. 7  
b) Explain the various method to improve productivity. 7

5. a) Explain the various types of services and its strategies. 7  
b) Explain the Ethical and Environmental issues for design of product. 7
6. a) Explain the objectives and planning of material management. 7  
b) Explain the overview of Materials Management Information Systems (MMIS). 7
7. a) Define scheduling. What are the use and advantages of scheduling? 7  
b) Differentiate between P.E.R.T. and C.P.M. 7
8. Write short notes on any four of the following:  $4 \times 3\frac{1}{2} = 14$ 
  - a) Role of operations in strategic management
  - b) Master production schedule
  - c) Overview of MRP and MRP-II
  - d) Method study and motion study
  - e) Vendor rating and value Analysis
  - f) Planning tools and techniques

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