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MBA(P)IV/05.14 .0579

**MBA (PT) DEGREE IV SEMESTER EXAMINATION MAY 2014**

**SMP 2402 PRODUCTION AND OPERATIONS MANAGEMENT**  
(Supplementary – 2011 Admission)

Time: 3 Hours

Maximum Marks: 50

(5 x 10 = 50)

- I. (a) Discuss the major decision areas falling under the purview of production and operations management function of a typical manufacturing company. (7)  
(b) What do you mean by an integrated approach to operations management? (3)
- OR**
- II. (a) What is the role of operations strategy in formulating the corporate strategy? (5)  
(b) Discuss the concept of capacity planning and its significance. (5)
- III. (a) Explain the concept and scope of TQM. (5)  
(b) Describe the various elements and tools of TQM. (5)
- OR**
- IV. (a) Discuss the concept of cost of quality, with a suitable diagram showing the nature of different types of costs. (5)  
(b) Explain the concept of OC curve with a diagram and show therein producers' risk and consumers' risk. (5)
- V. (a) Discuss briefly the different types of plant layout. (6)  
(b) Enumerate the factors influencing facility locations. (4)
- OR**
- VI. Write short notes on: (10)  
(i) Method study  
(ii) Work measurement  
(iii) Process technology
- VII. (a) Briefly explain production quantity model and quantity discount model. (6)  
(b) Discuss briefly the concepts of MRP-I and MRP-II. (4)
- OR**
- VIII. (a) Explain the features of a JIT production system. What are its major pre-requisites? (7)  
(b) "In India, we can think of an 'Indianised JIT' only, not JIT per se". Comment. (3)
- IX. (a) What is aggregate planning? Discuss its significance in operations management. (6)  
(b) Write a note on short term scheduling. (4)
- OR**
- X. (a) Explain the concept of SCM and its significance in operations management. (6)  
(b) Discuss the significance and relevance of maintenance management. (4)

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