



MBA.F.III/11.12.1045

**M.B.A. DEGREE III SEMESTER EXAMINATION NOVEMBER 2012**

**SMS 2301 PRODUCTION AND OPERATIONS MANAGEMENT**

Time: 3 Hours

Maximum Marks: 50

(5 × 10 = 50)

- I. A. (a) Explain the nature and scope of operations management function.  
(b) Explain the integrated (systems) approach to operations management.  
**OR**  
B. (a) Describe the role of operations strategy within the overall corporate strategy.  
(b) What is capacity planning? Discuss major capacity planning models.
- II. A. (a) Explain briefly the tools of TQM.  
(b) What is acceptance sampling? Enumerate the arguments in its favour.  
**OR**  
B. (a) Explain the salient features of ISO 9000 series.  
(b) Explain the concept of cost quality and its significance.
- III. A. (a) Discuss the significance of layout planning. Enumerate the major types of layout.  
(b) Explain the major considerations in facility location analysis.  
**OR**  
B. (a) What is process technology? What is its significance in design decisions?  
(b) Explain the important methods of work measurement.
- IV. A. (a) Describe the basic EOQ model, along with its assumptions.  
(b) Explain a typical probabilistic model with constant lead time.  
**OR**  
B. (a) Explain the salient features of a JIT production system. What are its benefits?  
(b) Write a note on materials management classification system.
- V. A. (a) What is aggregate planning and what is its relevance in operations management?  
(b) Discuss production planning and control in different production systems.  
**OR**  
B. (a) Explain the concept of SCM and its significance.  
(b) Explain the major types of maintenance.

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