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MBA.F.3/09.01

M.B.A. DEGREE (FT) III SEMESTER EXAMINATION, NOVEMBER 2009

SMS 2301 PRODUCTION AND OPERATIONS MANAGEMENT

Time : 3 Hours

Maximum Marks : 50

(Answer ALL questions)
(Each question carries 10 marks)

(5 x 10 = 50)

- I. A. (a) Explain the possible interactions of operations management with other functional areas of management. (7)
- (b) "Operations strategy has got a cardinal role to play while formulating the corporate strategy". Comment on the statement. (3)
- OR**
- B. (a) Describe the different types of production systems. (6)
- (b) What is capacity planning? Discuss major capacity planning models. (4)

- II. A. (a) Define TQM. What are its essential elements? Briefly discuss the major tools for TQM. (7)
- (b) What is acceptance sampling? What is OC curve? (3)
- OR**
- B. (a) Explain the salient features of ISO 9000 series. (6)
- (b) What is a control chart? Briefly explain the major types of control charts. (4)

- III. A. (a) Explain the basic types of layout and their major characteristics. (6)
- (b) Explain briefly the significance of facility location analysis. (4)
- OR**
- B. (a) What is Process Technology? What is its significance in design decisions? (4)
- (b) Explain the important methods that could be used for work measurement. (6)

- IV. A. (a) Explain the basic EOQ model, along with its assumption. (6)
- (b) Explain the quantity discount model. (4)
- OR**
- B. (a) Explain the salient features of a JIT production system and also its benefits. (7)
- (b) Describe the basic MRP structure. (3)

- V. A. (a) What is Aggregate planning and what is its relevance in operations managements? (5)
- (b) Explain the concept and significance of Supply Chain Management (SCM). (5)
- OR**
- B. (a) What are the major functions of an integrated maintenance management system? (5)
- (b) Explain the major types of maintenance and their characteristics. (5)
