

**MBA (IB) DEGREE III SEMESTER EXAMINATION NOVEMBER 2010**

**SMI 2301 OPERATIONS MANAGEMENT**

Time : 3 Hours

Maximum Marks : 50

(Each question carries **TEN** marks)

- I. A. a) "Management Science makes business decisions more scientific and objective" Critically comment on the statement. (6)
- b) Enumerate the steps in the Simplex algorithm for solving linear programming problems. (4)
- OR**
- B. a) Examine the typical uses of Transportation and Assignment models in decision making. Why assignment model is called a special type of transportation model? (6)
- b) What is the significance of Sensitivity analysis while making business decisions? (4)
- II. A. a) What is meant by sequencing of operations? Is it relevant in service organisations? (5)
- b) Write a note on Inventory control for services. (5)
- OR**
- B. Write short notes on any two of the following:
- i. Assumptions of Queuing Theory.    ii. Product support services. (5x2=10)
- iii. Maintenance of Services.
- III. A. a) What are the major considerations in facility location? Explain briefly. (6)
- b) What do you understand by capacity planning? (4)
- OR**
- B. a) Briefly explain the different types of production systems. (7)
- b) Write a note on the role of Process Technology in operation decisions. (3)

(P.T.O)

