

[Sept-11]

**UNIT-III**

4. a) What are the plant location factors ? Explain 9

**OR**

b) What are different plant location models? Explain 9

**UNIT-IV**

5. a) Explain different Time study Techniques 9

**OR**

b) Write in detail about Ergonomics 9

**UNIT – V**

6. a) The demand of a particular item is 12000 units/year. The setup cost per run is Rs.350 and the holding cost is Rs.20 per unit per month. If the shortages are allowed and the replacement is instantaneous, determine (i) the optimum run size (ii) the optimum scheduling period and (iii) minimum total annual cost 9

**OR**

b) Explain control charts for attributes and control charts for variables 9

[41/VIIT/311]

[MPIBA-0705]

**IMBA DEGREE EXAMINATION**

**VII TRIMESTER**

**OPERATIONS MANAGEMENT**

(Effective from the admitted batch 2008–09)

**Time: 3 Hours**

**Max.Marks: 60**

**Instructions:** All parts of the unit must be answered in one place only.  
Figures in the right hand margin indicate marks allotted.

**SECTION-A**

1. Answer any **FIVE** of the following:  
Each answer should not exceed one page. (5x3=15)
- a) Distinguish Manufacturing Industries and Service Industries
  - b) Write about the contributions of Schewatt and Gantt
  - c) Explain Operation System
  - d) Why “Selection of plant location” is important
  - e) Distinguish between Inspection and Quality control
  - f) Explain different Inventory Classifications
  - g) Explain Inventory codification
  - h) Explain TQM

**SECTION-B**

Answer the following:

**UNIT-I**

2. a) Explain evolutionary milestones in operations management 9

**OR**

b) Explain different production systems 9

**UNIT-II**

3. a) Explain production planning and control 9

**OR**

b) Explain different stages in PPL 9