

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 15

**MBA/MBA(IB) (2014 to 2017) (Sem.-2)**  
**PRODUCTION AND OPERATION MANAGEMENT**

Subject Code : MBA-202

Paper ID : [C0247]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** contains **SIX** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
2. **SECTIONS-B** consists of **FOUR** Sub-sections : Units-I, II, III & IV. Each Sub-section contains **TWO** questions each carrying **EIGHT** marks and student has to attempt any **ONE** question from each Sub-section.
3. **SECTION-C** is **COMPULSORY** and consist of **ONE** Case Study carrying **EIGHT** marks.

**SECTION-A**

- 1) Explain how operations are classified. What are the characteristics of a good product design?
- 2) Explain the contribution of Taguchi philosophy to operations management.
- 3) What are the main problems usually faced in facility layouts?
- 4) Discuss and differentiate between quality improvement and quality assurance.
- 5) Explain the various functions of purchasing management briefly.
- 6) Discuss the concept of franchising with examples.

**SECTION-B****UNIT-I**

- 7) What is meant by facility location? Explain the different factors to be kept in mind while analyzing the selection of a particular site.
- 8) What is the need for new product development? Explain its various techniques.

**UNIT-II**

- 9) Explain what is meant by production planning and control. Discuss its functions with examples.
- 10) List and explain the different types of facility layouts.

**UNIT-III**

- 11) Discuss how quality is defined in services. Also list the tools available for quality improvement.
- 12) Discuss the concept of acceptance sampling. Explain the different acceptance sampling plans.

**UNIT-IV**

- 13) What is meant by value analysis? What is its utility and significance in operations management?
- 14) Write notes on :
  - a. Logistics
  - b. JIT

**SECTION-C****15) Case Study :**

Biermann Inc. is engaged in the manufacturing of electric saw blades. They export the saw blades to all over the world. Seth Furnitures are a booming business that are into manufacturing wooden furniture and purchase these saw blades from Biermann Inc. Seth Furnitures require 1500 units of these saw blades per month, each costing Rs. 27. The cost of ordering these saw blades per order is Rs. 150 and the inventory carrying charges work out to be 20% of the average inventory.

**Questions :**

- a. Find the economic order quantity for these saw blades at which Seth Furnitures should optimally order.
- b. Also determine the optimum number of orders per year for Seth Furnitures.
- c. Should Seth Furnitures accept a 2% price discount on a minimum supply quantity of 1200 units? Give reasons for your answer.