

**Roll No.**

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**Total No. of Pages : 02**

**Total No. of Questions : 09**

**BBA (2012 & Onward Batches) (Sem.-4)**  
**PRODUCTION AND OPERATIONS MANAGEMENT**

**Subject Code : BBA-406**

**Paper ID : [A2376]**

**Time : 3 Hrs.**

**Max. Marks : 60**

### INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B consists of FOUR Sub-sections : Units-I, II, III & IV.**
3. **Each Sub-section contains TWO questions each, carrying TEN marks each.**
4. **Student has to attempt any ONE question from each Sub-section.**

## SECTION-A

**1) Write briefly :**

- a) Define facility layout.
- b) Explain capacity planning.
- c) What is assembly line balancing?
- d) Explain the concept of time study.
- e) What do you mean by routing?
- f) What are the disadvantages of inventories?
- g) What is the significance of reorder levels?
- h) Define the concept of quality.
- i) What are quality circles?
- j) Explain the utility of Range charts.

## **SECTION-B**

### **UNIT-I**

- 2) Discuss the factors affecting the facility location analysis. Also explain the factors which could affect the decision to set up a bottling plant in Punjab.
- 3) Explain the different types of manufacturing layouts.

### **UNIT-II**

- 4) How do planning and scheduling help in optimizing production?
- 5) Write short notes on :
  - a) Method study
  - b) Work Simplification

### **UNIT-III**

- 6) Write short notes on :
  - a) ABC analysis
  - b) JIT
- 7) Discuss in detail the concept of Supply Chain Management. Explain with examples.

### **UNIT-IV**

- 8) Explain the different Control charts available in SPC.
- 9) Write short notes on :
  - a) Taguchi Philosophy
  - b) Acceptance sampling