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Total No. of Pages : 02

Total No. of Questions : 17

MBA / MBA (IB) (2018 Batch) (Sem.-2)

**PRODUCTION AND OPERATIONS MANAGEMENT**

Subject Code : MBA-205-18

M.Code : 76157

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A contains EIGHT questions carrying TWO marks each and students have to attempt ALL questions.
2. SECTION-B consists of FOUR Subsections : Units-I, II, III & IV. Each Subsection contains TWO questions each carrying EIGHT marks each and students have to attempt any ONE question from each Subsection.
3. SECTION-C is COMPULSORY and consists of ONE Case Study carrying TWELVE marks.

**SECTION-A**

- Q1 Discuss the functions of operations management.
- Q2 Briefly discuss the different types of production systems.
- Q3 Narrate the various problems in facility layout decisions.
- Q4 Discuss the utility of method study.
- Q5 What is the significance of six sigma?
- Q6 Discuss the importance of control chart for attributes.
- Q7 What are the functions of purchasing management?
- Q8 Briefly explain the various inventory costs.

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

- Q9 How are operations classified? Further discuss the transformation process model.
- Q10 Define location analysis. Discuss the different location analysis techniques.



### UNIT-II

- Q11 Discuss the objectives of facility layouts and the points to be kept in mind while designing plant layouts.
- Q12 What is meant by production planning and control? Explain its various functions.

### UNIT-III

- Q13 Discuss Deming's 14 principles. What role do they play in quality improvement?
- Q14 What is meant by acceptance sampling? Briefly explain its various types.

### UNIT-IV

- Q15 What is meant by Inventory management? Discuss the various factors affecting inventory control policies.
- Q16 Write brief notes on :
- JIT System
  - Logistics

### SECTION-C

- Q17 Study the following case and answer the question(s) that follow:

In a manufacturing lot taken from the production batch of M/s Flex Production Ltd., the number of defectives found in the inspection of 10 lots of 300 items each, are given below.

Lot No.	No. of Defectives
1	3
2	4
3	1
4	12
5	5
6	0
7	3
8	1
9	16
10	9

- Determine the control limits for np chart.
- State whether the process is in control?
- Also comment on the results so obtained.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**