Roll No. | | | | | | | | | | | | Total No. of Pages: 02

Total No. of Questions: 10

MBA / MBA (IB) (Sem. – 2)

PRODUCTION AND OPERATIONS MANAGEMENT

Subject Code: MBA-205-18

M Code: 76157

Date of Examination : 20-12-2022

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. **SECTION-A is COMPULSORY consisting of EIGHT questions carrying TWO marks each.**
2. **SECTIONS-B consists of FOUR Sub-sections : Units-I, II, III & IV. Student have to attempt any ONE question from each Sub-section carrying EIGHT marks each.**
3. **SECTION-C is COMPULSORY, consists of a Case Study carrying TWELVE marks.**

SECTION-A

1. Write briefly:

   a) Discuss the responsibilities of an operations manager.

   b) Briefly explain the factors affecting facility location?

   c) Narrate the various problems in facility layout decisions.

   d) Discuss the utility of work measurement.

   e) What is the significance of Juran's quality trilogy?

   f) Discuss the importance of control chart for variables.

   g) Which are the factors that affect the inventory control policies?

   h) Briefly explain the concept of ABC analysis.

SECTION-B

UNIT - I

2. Narrate the contributions of Deming and Taguchi towards Production Management.

3. Discuss and differentiate between the different types of production systems.

UNIT - II

4. Discuss the objectives of facility layouts and the points to be kept in mind while designing plant layouts.
5. What is meant by capacity planning? Explain the various factors affecting capacity planning.

UNIT - III

6. Define quality improvement. What are the various tools and techniques needed for achieving improvement in quality?
7. What is meant by acceptance sampling? Briefly explain its various types.

UNIT - IV

8. Discuss on which all basis inventories can be classified. Give examples in support of your answer.
9. Write brief notes on:
   a) Kanban System
   b) Franchising

SECTION - C

10. 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

   a) Determine the control limits for *np* chart.
   b) State whether the process is in control?
   c) Also, comment on the results so obtained.

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