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

Total No. of Questions : 15

MBA/MBA(IB) (2016 to 2019) (Sem.–2)

PRODUCTION AND OPERATION MANAGEMENT

Subject Code : MBA-202

M.Code : 49097

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. **SECTION-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. What is the significance of product design?
2. Explain the role of capacity planning in Operations Management.
3. Discuss the concept of quality assurance.
4. Discuss the role of acceptance sampling in quality management.
5. Explain the concept of JIT.
6. Write a brief note on ABC analysis.

SECTION-B

UNIT-I

7. What are the various factors that play an important role in facility location?
8. What is meant by process selection? Briefly discuss the types of production systems.

UNIT-II

9. Discuss the objectives and functions of Production Planning and Control.
10. List and discuss the various types of layouts.

UNIT-III

11. Discuss the different techniques for quality improvement.

12. Briefly discuss the various types of control charts.

UNIT-IV

13. What is meant by Lean production systems? Explain its role in production management.

14. Discuss the objectives of value analysis. Also discuss its utility.

SECTION-C

15. Study the case given below and answer the questions that follow :

In the shop floor of M/s Hind Mfg Co Ltd, an analyst takes **20** samples of size **200** each from the output of a final assembly line. The items in each sample are inspected and the number of defectives recorded. The results are given in the table below. Calculate the average fraction defective and evaluate the control limits for a chart for fraction defectives.

Sample #	No. of Defectives		Sample #	No. of Defectives
1	9		11	26
2	7		12	18
3	14		13	11
4	15		14	8
5	8		15	10
6	7		16	10
7	9		17	15
8	11		18	13
9	16		19	9
10	12		20	12

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.