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

Total No. of Questions : 15

MBA/MBA(IB) (2012 & onward) (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. What are the different types of Production systems?
2. Discuss the importance of location decision.
3. Explain Juran's quality trilogy.
4. What problems are generally faced in facility layout decision?
5. Discuss the applications of six sigma.
6. Elaborate the functions of purchase management.

SECTION-B

UNIT-I

7. What do you understand by operations management? Discuss the classification of operations also.
8. Explain the concept of product development. What are the different product development techniques?

UNIT-II

9. What do you mean by capacity planning? Discuss the factors affecting capacity planning.

10. Write a note on objectives and features of production planning & control.

UNIT-III

11. Discuss the meaning of quality management. Elaborate the Deming's principles of quality management.

12. What do you understand by statistical quality control? Discuss the various control charts which can be used for quality control.

UNIT-IV

13. What are JIT systems? Discuss the requisites for implementing JIT in manufacturing organisations.

14. Write a note on meaning and objectives of Inventory management.

SECTION-C

15. **Case Study :**

XYZ Co. is having annual demand of 5000 unit for a component. The cost price of each component is Rs. 20. The cost of placing an order is Rs. 16. Storage cost, interest cost and obsolescence cost for the company is 2% p.a., 12% p.a. and 6% p.a. respectively of the average annual inventory.

Being a manager you are required to calculate :

Questions :

a) Economic Order Quantity

b) Total annual cost to be incurred at EOQ level

c) Numbers of order to be placed in a year

d) Time gap between two orders assuming 300 days a year