

MBA.IV/04.17.0448

Reg. No.

--	--	--	--	--	--	--	--

C

MBA (PT) DEGREE IV SEMESTER EXAMINATION APRIL 2017

SMP 2402 OPERATIONS MANAGEMENT

(Supplementary – Prior to 2014)

Time: 3 Hours

Maximum Marks: 50

PART A

(Answer **ALL** questions)

(5 × 2 = 10)

1. What do you mean by Operations strategy?
2. Briefly discuss the different types of Layout.
3. Describe briefly the concept of Aggregate planning.
4. Distinguish between MRP-I and MRP-II.
5. Define the concept of TQM. Enumerate its elements and salient features.

PART B

(Answer **ANY FIVE** questions)

(5 × 4 = 20)

6. Discuss the nature and scope of Operations management.
7. Explain briefly the different types of Production systems.
8. Briefly discuss the major considerations in Facility location decisions.
9. Write a note on the choice of Process technology.
10. 'JIT is of cardinal significance in Indian manufacturing sector today'. Critically examine.
11. Briefly explain the functions of Purchasing and Stores Management.
12. Discuss briefly the concepts of (i) Acceptance Sampling and (ii) OC Curve.

PART C

(Answer **ANY TWO** questions)

(2 × 10 = 20)

13. Discuss the concept, relevance and significance of SCM in today's business. (10)
14. Using the following data determine: (i) the least squares trend line, and (ii) the predicted value for FY 2017 sales. [Hint: To simplify computations, transform the values of x (time) into simpler numbers, like, 1, 2 etc. corresponding to FY 2010, FY 2010 etc.] (8 + 2 = 10)

Financial Year (FY)	Sales (Units)
2010	100
2011	110
2012	122
2013	130
2014	139
2015	152
2016	164

(P.T.O.)

15. (a) Classify the following 10 components used in a factory using ABC analysis. (5)

Component	Annual Usage (Nos.)	Unit cost in ₹
M	5,000	1.50
N	1,500	8.00
O	10,000	10.50
P	6,000	2.00
Q	7,500	0.50
R	6,000	13.60
S	5,000	0.75
T	4,500	1.25
U	7,000	2.50
V	3,000	2.00

- (b) M/s. Excel Ltd. Manufactures 450 bicycles a month. The company buys tyres for the bicycles from a supplier at the cost of ₹ 20 per tyre. The inventory carrying cost of the company is 15 per cent of the cost and ordering cost is ₹ 50 per order. Find the EOQ. (5)
