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Paper Id: | 2 | 7 | 0 | 2 | 2 | 7 | **Roll No.** | | | | | | | | | | |

MBA

(SEM II) THEORY EXAMINATION 2017-18

OPERATIONS MANAGEMENT

Time: 3 Hours ***Total Marks: 100***

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

a. What is Operations Management, explain this concept in brief?
b. What is meant by Plant Location?
c. Explain forecasting as a planning tool?
d. Explain the need for work study in an enterprise?
e. Differentiate between the CRM and SCM?
f. What is Line of Balance?
g. Explain the term ABC Analysis?
h. What is TPM, explain briefly?
i. Explain Bullwhip Effect in Logistics management?
j. Distinguish between centralized and decentralized purchasing?

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SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30

a. Explain the factors determining the design of a product/ What is meant by design?
b. Discuss the meaning and techniques of demand forecasting, what are their limitations?
c. What do you mean by Supply chain Management?
d. Write short note on
   i) EOQ
   ii) VED analysis
   iii) SDE analysis
   iv) FSN analysis
e. Explain the term logistics as a part of SCM; Also explain the models of logistics?

SECTION C

3. Attempt any *one* part of the following: 10 x 1 = 10

(a) What is Production and Operations Management? Discus the classification of operations?
(b) What do you mean by Scheduling? Also explain its types and principles in detail?

4. Attempt any *one* part of the following: 10 x 1 = 10

(a) What is Six Sigma? Why do companies need Six Sigma, explain its methodology in detail?
(b) What is Logistics Management? Discuss logistic models?

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5. Attempt any *one* part of the following: 10 x 1 = 10

(a) Explain the term Box-Jenkins method and Routing decision in detail?

(b) What are the Quality Circles in detail?

6. Attempt any *one* part of the following: 10 x 1 = 10

(a) What is meant by Logistics Sub system? And what are the rebound and outbound logistics?

(b) What is Purchasing management? Explain in detail the functions and policies of purchase department?

7. Attempt any *one* part of the following: 10 x 1 = 10

(a) Explain the Single Vendor concept and Management of Stares?

(b) The XYZ company requires 1000 components per month throughout the year for manufacturing automobile generators. If ordering cost is Rs 25 per order, unit cost is Rs 2.50 per component, and annual inventory holding costs are changed at 20 %. Find EOQ for this component. If the company decides to operate with a back order inventory policy then taking back order cost to be Rs 5 per unit per year. Find the New EOQ also?

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