Printed Page:- Subject Code:- BMBIE0203

Roll. No:

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

MBA - IEV

SEM: II - THEORY EXAMINATION (20.... - 20.....)

Subject: Production and Operations Management

Time: 3 Hours Max. Marks: 100

General Instructions:

IMP: *Verify that you have received the question paper with the correct course, code, branch etc.*

1. This Question paper comprises of three Sections -A, B, & C. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.

2. Maximum marks for each question are indicated on right -hand side of each question.

3. Illustrate your answers with neat sketches wherever necessary.

4. Assume suitable data if necessary.

5. Preferably, write the answers in sequential order.

6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

SECTION-A 20

1. Attempt all parts:-

1-a. Among the following , select a characteristic of batch production (CO1, K2) 1

(a) High volume, low variety

(b) Medium volume, moderate variety

(c) Low volume, high variety

(d) Very high volume, very high variety

1-b. In Production Management, at every next level some _____ is added to the previous level.(CO1 , K2) 1

(a) Value

(b) Profit

(c) Loss

(d) Income

1-c. World Class Manufacturing is based on which of the following principles (CO2, K3) 1

(a) One best method to achieve optimum results.

(b) Continuous improvement and the understanding that there's always room for enhancement.

(c) High cost is necessary to achieve world-class status.

(d) The best facilities are essential for world-class manufacturing.

1-d. Among the following , which of the following is NOT a core characteristic of 1

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World Class Manufacturing. (CO2, K3)

(a) Mass production.
(b) Customer focus
(c) Quality
(d) Agility

1-e. The core purpose of a distribution center? Select the correct option (CO3 , K4) 1

(a) Manufacturing
(b) Storing goods
(c) Conducting market research
(d) Designing products

1-f. The main objective of reverse logistics is to: (CO3 , K4) 1

(a) Increase sales
(b) Manage returns and recycling
(c) Speed up delivery
(d) Improve packaging

1-g. Identify the inventory management strategy that involves maintaining stock at multiple locations closer to customers.(CO4 , K3) 1

(a) Centralized inventory
(b) Decentralized inventory
(c) Just-in-time inventory
(d) Virtual inventory

1-h. The term refers to the cost of carrying inventory over time. Select the correct option (CO4, K3) 1

(a) Ordering cost
(b) Holding cost
(c) Stock-out cost
(d) Obsolescence cost

1-i. The primary goal of Six Sigma? Select the correct option (CO5 , K3) 1

(a) Reduce defects
(b) Increase production
(c) Improve customer satisfaction
(d) Lower costs

1-j. Select the correct statistical tool that is commonly used in Six Sigma for process variation analysis? (CO5 , K3) 1

(a) Pareto Chart
(b) Fishbone Diagram
(c) Histogram
(d) Control Chart

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2. Attempt all parts:-

2.a.	Describe the term "Forecasting". (CO1 , K2)	2
2.b.	Briefly explain Quality in World Class Manufacturing (WCM) (CO2, K3)	2
2.c.	List any two functions of logistics. (CO3, K4)	2
2.d.	Describe in short Economic Order Quantity (EOQ) .(CO4, K3)	2
2.e.	Describe the term Process Improvement in short. (CO5, K3)	2

SECTION-B 30

3. Answer any five of the following:-

3-a.	Distinguish between Job Production and Batch Production (CO1 , K2).	6
3-b.	Explain Technical and Economical factors influencing location planning of plant (CO1 , K2)	6
3-c.	Write short note on the Evolution of World Class Manufacturing.(CO2, K3)	6
3-d.	Discuss the Challenges and Problems in Manufacturing Industry (CO2 , K3)	6
3.e.	Demonstrate the concept and scope of Reverse Logistics. (CO3, K4)	6
3.f.	Describe the factors affecting spare part inventories. (CO4 , K3).	6
3.g.	Explain the concept and advantages of Materials Planning. (CO5, K3)	6

SECTION-C 50

4. Answer any one of the following:-

4-a.	Demonstrate in detail all the Types of Processes and Operations Systems. (CO1 , K2)	10
4-b.	Explain the nature and scope of Productions and Operations Management in detail (CO1 , K2).	10

5. Answer any one of the following:-

5-a.	Reflect a light on Deming's & Shingo's Approach to Quality Management. (CO2, K3)	10
5-b.	Compare and contrast lean manufacturing principles with those of World Class Manufacturing. (CO2 , K3).	10

6. Answer any one of the following:-

6-a.	Explain in detail the "Logistics as backbone of e-commerce" (CO3, K4)	10
6-b.	Discuss in detail about e-logistics structure and operation. (CO3, K4)	10

7. Answer any one of the following:-

7-a.	Demonstrate in detail the objectives, advantages and disadvantages of standardization.(CO4, K3).	10
7-b.	Create a strategy for integrating stores management with other business processes, such as procurement and distribution.(CO4 , K3)	10

8. Answer any one of the following:-

8-a.	Illustrate in detail the relationship between Business performance improvement and six sigma. (CO5 , K3)	10

8-b.	Discuss the key components of an effective materials planning and management system (CO5, K3)	10

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