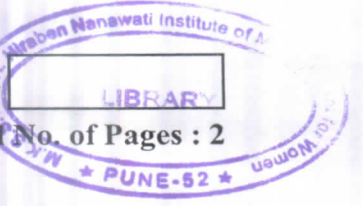


Total No. of Questions : 5]

SEAT No. :



[Total No. of Pages : 2

PB-2111

[6201]-2004

M.B.A.

**GC-10-204 : OPERATION & SUPPLY CHAIN MANAGEMENT
(2019 Pattern) (Semester - II)**

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All the questions are compulsory.
- 2) All the questions has an internal option.
- 3) All the questions carry equal marks.
- 4) Use of only simple calculator is allowed.

Q1) Attempt any 5 from the following 8 questions.

[10]

- a) Define quality in perspective of manufacturers view.
- b) List the types of wastages considered under the lean management.
- c) Enlist the types of plant layouts.
- d) Describe the concept of accuracy of forecasts.
- e) Enlist the components of ordering cost.
- f) Define capacity requirement planning.
- g) State the concept of Gantt chart.
- h) Enlist the flows in "supply chain"

Q2) Attempt any 2 from the following 3 questions.

[10]

- a) Describe the concept of inventory. Paraphrase the need for high inventory.
- b) Explain the barriers in implementing Total Quality Management.
- c) Summarise the sources of data used in forecasting.

Q3) a) "Capacity planning involves long term and short terms considerations"
Illustrate the statement in the context of production planning. [10]

OR

- b) Explain the need & importance of selective control of inventory. [10]

P.T.O

Q4) a) Appraise & calculate the EOQ and Total cost of inventory at EOQ using the following inventory data. [10]

- i) Annual Demand - 10000 units
- ii) Ordering cost - Rs. 30 / order
- iii) Carrying cost - 20% of Avg inventory investments
- iv) Unit cost - Rs. 15

OR

b) Compare the concept of evolution of supply chain management “from physical distribution to logistics to SCM”. [10]

Q5) a) Design the Generalized SCM model for computer manufacturing company. [10]

OR

b) Compose service blue printing for logistics company. [10]

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Total No. of Questions : 5]

**P7928**

SEAT No. :

[Total No. of Pages : 2

**[6118]-24**

**M.B.A. - I**

**GC-10-204 : OPERATIONS & SUPPLY CHAIN MANAGEMENT**  
**(2019 Pattern) (Semester-II)**

*Time : 2½ Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *All questions are compulsory.*
- 2) *All questions has an internal options.*
- 3) *All questions carry equal marks.*
- 4) *Use of only simple calculator is allowed.*

**Q1) Attempt any 5 from the following 8 questions. [10]**

- a) Memorise & quote the significance of supply chain management (any four).
- b) Recall the concept of internal customer.
- c) Define lean management.
- d) State the importance of process product matrix.
- e) Define 'Demand forecasting'.
- f) Recite the concept of inventory turn ratio.
- g) Enumerate any four enablers of SCM.
- h) List the roles of production planning & control.

**Q2) Attempt any 2 from the following 3 questions. [10]**

- a) Discuss the scheduling of job shop & flow shops.
- b) Compare product layout & process layout.
- c) Explain the ethical & environmental issues of operations management.

**Q3) a) "Role of PPC is to optimize the utilization of 5m's of input of operations" comment. [10]**

**OR**

- b) Illustrate the challenges in supply chain collaborations.

**P.T.O.**



**Q4) a)**

| Part Number | Annual Demant | Per unit cost (in Rs.) |
|-------------|---------------|------------------------|
| SD127       | 7500          | 89                     |
| PS 237      | 4502          | 06                     |
| AS 457      | 1500          | 82                     |
| PK 547      | 3502          | 14                     |
| AT 347      | 2605          | 76                     |
| AY 437      | 2704          | 45                     |
| AU 807      | 1540          | 55                     |
| AI 657      | 1130          | 33                     |
| AO 537      | 9290          | 65                     |
| VS 437      | 8720          | 17                     |

Classify the material as per ABC analysis & draw the pareto chart. [10]

OR

- b) Explain the concept of MRP. Infer the importance of input & output files of MRP system. [10]

- Q5) a)** Design the generalised supply chain management model for toy manufacturing company. [10]

OR

- b) Summarise the aggregate production planning process with suitable example.

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Total No. of Questions : 5]

P-3747

[6025]-24

M.B.A.

**GC-10-204 : OPERATION & SUPPLY CHAIN  
MANAGEMENT**

**(2019 Pattern) (Semester - II)**

*Time : 2½ Hours!*

*[Max. Marks : 50]*

*Instructions to the candidates :*

- 1) *All questions are compulsory.*
- 2) *All the questions has on internal options.*
- 3) *All the questions carry equal marks.*
- 4) *Use of only simple calculator is allowed.*

**Q1)** Attempt any 5 from following 8 questions :

**[10]**

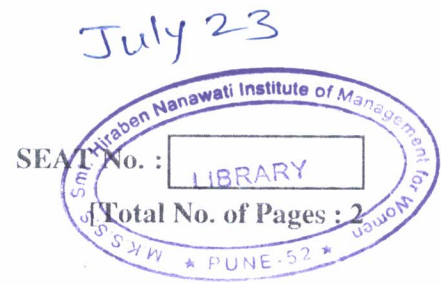
- a) Enlist the inputs & outputs of operations.
- b) Memorize & quote the significance of operations Management (any four).
- c) Define 'logistics management'.
- d) Define the quality in Perspective of 'customer view'.
- e) State the concept of Line of visibility of service blue printing.
- f) Define 'intermittent flow system'.
- g) Define 'pull system'.
- h) Describe forecasting time horizon.

**Q2)** Attempt any 2 from the following 3 questions :

**[10]**

- a) Discuss the issues in Operations Management.
- b) Explain the characteristics of Job Production.
- c) Summarize the cash to cash conversion cycle.

**P.T.O.**





- Q3) a) "Process layout is generally deployed for the industries engaged in Job order production and non repetitive kind of Manufacturing activities". Illustrate the advantages & limitations of the same. [10]

OR

- b) Illustrate the components of supply chain facilities decisions. [10]

- Q4) a) Calculate the EOQ and determine total inventory cost at EOQ using the following data - [10]

- i) Annual Consumption - 5000 units.
- ii) Unit Cost Rs. 1000
- iii) Carrying Cost 1% of inventory investment
- iv) Ordering Cost - Rs. 6

OR

- b) Compare and contrast continuous flow system & intermittent flow system with suitable examples. [10]

- Q5) a) Design the Generalized Supply Chain Management Model for electronic goods manufacturing company of your choice. [10]

OR

- b) Compose service blue printing for any one of the following : [10]
- i) Travel & Tourism Company
  - ii) Restaurant



23 Feb 23

Total No. Of Questions : 5]

PA-4168

SEAT No. :

[Total No. Of Pages : 2

[5946]-204

M.B.A.

**GC-10 204 : Operations And Supply Chain Management  
(2019 Pattern) (Semester - II)**

*Time : 2½ Hours]*

*[Max. Marks : 50*

*Instructions to the candidates :*

- 1) *All questions are compulsory.*
- 2) *Each question carries 10 marks.*
- 3) *Each question has an internal option.*
- 4) *Use of non-scientific calculator is permitted (as applicable)*

**Q1) Solve any Five out of Eight following sub questions:**

**[10]**

- a) Define Operations Management.
- b) Enumerate any four fragmented elements of Supply Chain.
- c) Enumerate any four characteristics of service quality.
- d) Describe the concept of Kaizen
- e) Examine the concept of Decoupling Inventory.
- f) Describe PDCA Cycle.
- g) List any two examples of each of Mass production process and Batch Production process.
- h) Enumerate the challenges in Supply Chain Collaborations.

**Q2) Solve any Two of the following sub questions:**

**[10]**

- a) Differentiate Continuous and Intermittent Operations Process.
- b) Explain VED Analysis.
- c) Paraphrase the process of Capacity planning.

**P.T.O.**

- Q3) a)** Relate the various criteria considered while selecting appropriate operation process for food processing unit. [10]

**OR**

- b) Illustrate the concept of forecasting as a planning tool.

- Q4) a)** Categorize various inventory control techniques and appraise the inventory control policies with respect to ABC Analysis. [10]

**OR**

- b) M/s Unique Carb Tooling Company buys its requirement of component at the rate of Rs. 10 each from a local vendor every quarter. The average monthly requirement of component is 600 nos. 10% extra components are procured to take care of in-process rejection. The procurement cost and inventory carrying cost have been calculated at Rs. 50 per order and 20% of average inventory investment.

Calculate:

- i) Economic Order Quantity to optimize the cost.
- ii) What is the total inventory cost of existing inventory policy?
- iii) How much company can save by switching over EOQ buying inventory policy?

- Q5) a)** Compose Generic Supply Chain Structure for new start-up of vegetable and fruit selling company. The company receives the orders on their Android and iOS APP. Workable assumptions can be considered. [10]

**OR**

- b) Draw the product process matrix and map various types of industry operation processes on the same.





Total No. of Questions : 5]

P7264

SEAT No. :

[Total No. of Pages : 2

[5860] - 204

M.B.A. (Semester - II)

**GC-10 204 : OPERATIONS AND SUPPLY CHAIN  
MANAGEMENT  
(2019 Pattern)**

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates :

- 1) All questions are compulsory.
- 2) Each question carries 10 marks.
- 3) Each question has an internal option.
- 4) Use of non-scientific calculator is permitted (as applicable).

**Q1)** Solve any five out of eight following sub question. [10]

- a) Enlist any four key principles of FQM.
- b) List any four functions of Supply Chain Management.
- c) Examine the concept of 5S.
- d) Memorize and reproduce the examples of various inventory costs.
- e) Describe the concept of Kaizen.
- f) Enumerate any four characteristics of product quality.
- g) List any four functions of PPC.
- h) State the concept of quality with respect to manufacturer's perspective.

**Q2)** Solve any two of the following sub questions : [10]

- a) Paraphrase the various types of Operations Processes.
- b) Describe the concepts of Fixed Position Layout and Cellular Layouts.
- c) Distinguish and contrast MRP-I and MRP-II.

**Q3)** a) 'Stop making assumptions regarding the production and start planning your capacity'. Interpret this statement with respect to auto ancillary unit. [10]

OR

- b) Illustrate the steps involved in Material Requirement Planning with special reference to home appliances manufacturing company. [10]

P.T.O.

- Q4) a)** Categorize various inventory control techniques and appraise the inventory control policies with respect to ABC Analysis. [10]

OR

- b)** M/s Unique Carb Tooling Company buys its requirement of component at the rate of Rs. 10 each from a local vendor every quarter. The average monthly requirement of component is 600 nos. 10% extra components are procured to take care of in-process rejection. The procurement cost and inventory carrying cost have been calculated at Rs. 50 per order and 20% of average inventory investment. [10]

Calculate

- i) Economic Order Quantity to optimize the cost.
- ii) What is the total inventory cost of existing inventory policy?
- iii) How much company can save by switching over EOQ buying inventory policy?

- Q5) a)** Compose Generic Supply Chain Structure for new start-up of vegetable and fruit selling company. The company receives the orders on their Android and IOS APP. Workable assumptions can be considered. [10]

OR

- b)** 'The fulfilling the objectives of a good layout as per yearly product requirement and product types of high-volume manufacturing unit' Evaluate the above statement with respect to the specific type of layout. [10]

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