

Total No. of Questions : 5]

SEAT No. :

[Total No. of Pages : 2

P7882

[6118]-2004

First Year M.B.A.

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

(Revised 2019 Pattern) (Semester-II)

Time : 2½ Hours]

[Max. Marks : 50]

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Each question has internal options.*
- 3) *Each questions carry equal marks.*
- 4) *Use of non-scientific calculation is allowed.*

Q1) Attempt any five out of Eight following questions.

[10]

- a) Define learn management.
- b) Define quality in perspective of customer's view.
- c) Recall the concept of Job production.
- d) List the types of operation processes.
- e) Define loading.
- f) List any four types of Inventories.
- g) Define supply chain management.
- h) State the full form of TOM and GIT.

Q2) Attempt any two out of three from the following.

[10]

- a) Summarize the functions of operation management.
- b) Paraphrase the concepts of assembly line and batch production.
- c) Express the roles and functions of production planning and control (PPC).

Q3) a) "Forecasting in operation management can help to plan production activities of goods and service production in Advance". Illustrate the statement with suitable example.

[10]

OR

- b) Illustrate the challenges in supply chain collaborations.

P.T.O.

Q4) a) Categorise the following components in A, B and C categories. [10]

Item	Average Number of Units of Inventory	Average Cost per unit
	Rs.	Rs.
I001	10,000	110
I002	20,000	50
I003	30,000	15
I004	25,000	10
I005	70,000	5
I006	25,000	4
I007	20,000	2

OR

b) Categorise the various Inventory cost Appraise EOQ by using graphical representation.

Q5) a) Design the service blue printing for self service food outlet. (consider assumptions). [10]

OR

b) Design generalized supply chain model for electronic goods manufacturing company of your choice. (Consider assumptions).

14/12/23

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- c) Recall the concept of Job production.
- d) List the types of operation processes.
- e) Define loading.
- f) List any four types of Inventories.
- g) Define supply chain management.
- h) State the full form of TOM and GIT.

Q2) Attempt any two out of three from the following.

[10]

- a) Summarize the functions of operation management.
- b) Paraphrase the concepts of assembly line and batch production.
- c) Express the roles and functions of production planning and control (PPC).

Q3) a) "Forecasting in operation management can help to plan production activities of goods and service production in Advance". Illustrate the statement with suitable example.

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OR

- b) Illustrate the challenges in supply chain collaborations.

P.T.O.

Q4) a) Categorise the following components in A, B and C categories. [10]

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	Rs.	Rs.
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I004	25,000	10
I005	70,000	5
I006	25,000	4
I007	20,000	2

OR

b) Categorise the various Inventory cost Appraise EOQ by using graphical representation.

Q5) a) Design the service blue printing for self service food outlet. [10]
(consider assumptions).

OR

b) Design generalized supply chain model for electronic goods manufacturing company of your choice.
(Consider assumptions).

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July 2023

Total No. of Questions : 5]

P3817

SEAT No. :

[Total No. of Pages : 2

[6025]- 204

F.Y.M.B.A.

**204-GC- 10 : OPERATIONS AND SUPPLY CHAIN
MANAGEMENT**

(2019 Revised Pattern) (Semester - II)

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Each question has internal options.
- 3) Each question carry equal marks.
- 4) Use of Non-Scientific calculator is allowed.

Q1) Attempt any five out of eight following questions.

[10]

- a) Define logistic management.
- b) Recall the concept of Internal Customer.
- c) Enlist the any four key principles of TQM.
- d) List 2 examples of Batch Production.
- e) Define Process Layout.
- f) Give the roles of Production Planning and Control. (PPC)
- g) Define Scheduling.
- h) State the full of VED and GOLF.

Q2) Attempt any two out of Three following questions.

[10]

- a) Identify and Express Ethical and Environmental Issues in operations management.
- b) Explain service Blue Printing.
- c) Explain the Key issues of Supply Chain Management.

Q3) a) "Stop Making assumptions regarding the production and start planning your capacity". Interpret the statement with respect to Home Appliances.

[10]

OR

b) Appraise the enablers of Supply Chain.

[10]

P.T.O.

Q4) a) Categorise the following component in A, B and C Categories. [10]

Component Name	Annual Demand	Cost Per Unit In ₹
C1	3000	50
C2	4000	12
C3	1500	15
C4	6000	10
C5	1000	20
C6	500	500
C7	300	1500
C8	600	2
C9	1750	10
C10	2500	5

OR

b) Categorise the various Inventory cost Appraise EOQ by using graphical representation. [10]

Q5) a) Design the service system for online Banking operations. (Consider assumptions). [10]

OR

b) Compose generalized Supply Chain Model for computer Accessories manufacturing company. (Consider assumptions). [10]



23 Feb. 2023

Total No. Of Questions : 5]

SEAT No. :

PA-4168

[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]

SEAT No. :

P7264

[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 TQM.
- 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]

