

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.

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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.

