

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]

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