

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) – 201306

**POST GRADUATE DIPLOMA IN MANAGEMENT (2018-20)**  
**MID TERM EXAMINATIONS (TERM - IV)**

Subject Name – Supply Chain Management

Time: 01.30 hrs

Sub. Code – PG 32

Max Marks: 20

**Note:**

- 1. Writing anything except Roll Number on question paper will be deemed as an act of indulging in unfair means and action shall be taken as per rules.**
- 2. All questions are compulsory in Section A, B & C. Section A carries 1 Case Study of 8 marks. Section B carries 3 questions of 2 marks each and Section C carries 2 questions of 3 marks each.**

**SECTION - A**

**04+04 = 08 Marks**

Q. 1: Case Study:

A museum of natural history opened a gift shop two years ago. Managing inventories has become a problem. Low inventory turnover is squeezing profit margins and causing cash flow problems.

One of the top selling SKUs in the container group at the museum is a bird feeder. Sales are 25 units per week and the supplier charges \$100 per unit. The cost of placing an order with the supplier is \$70. Annual holding cost is 20 percent of a feeder's value and the museum operates 50 weeks per year. Management chose a 400 unit lot size so that new orders could be placed less frequently.

- What is the annual cycle inventory carrying cost of the current policy of using a 400 unit lot size? Would a lot size of 500 be better?
- Mention the assumptions and calculate the EOQ, total annual cycle inventory cost, number of orders and order cycle?

**SECTION - B**

**02×03 = 06 Marks**

Q. 2: List down all the supply chain drivers and explain any two with relevant examples?

Q. 3: Give a brief note on supply chain strategy and planning?

Q. 4: Explain agile supply chain shortly?

**SECTION - C**

**03×02 = 06 Marks**

Q. 5. Explain lean supply chain management with a focus on JIT?

Q. 6. Explain MRP or ERP in detail?