

**B.Com(Hons) DEGREE EXAMINATION, NOVEMBER 2019**  
**III Year V Semester**  
**Logistics and Supply Chain Management**

**Time : 3 Hours**

**Max.marks :75**

**Section A** ( $10 \times 2 = 20$ ) Marks

Answer **ALL** the questions

1. Define logistics.
2. What do you mean by supply chain management?
3. Explain 3PL and 4PL.
4. Mention the three dimensions of performance measurement.
5. What do you mean by containerization?
6. What are the various elements of transportation costs?
7. What do you mean by Logistics Information System?
8. What are the resources required in LIS?
9. What are the kinds of charters?
10. What are liner vessels?

**Section B** ( $5 \times 5 = 25$ ) Marks

Answer any **FIVE** questions

11. What are the features of Logistics management?
12. Write a note on functions and contributions of SCM in 21st century.
13. Discuss the emerging role of 3PLs and 4PLS in logistics.
14. While making transportation related decisions, What are the various factors that a logistics manager is suppose to take into consideration?
15. Discuss the nature and relative characteristics of various modes of transport.
16. What do you mean by Logistical Information System? What are the various components of LIS architecture?
17. Write short notes on (a) Internet, Intranet and Extranet (b) Bar Coding System
18. Briefly discuss the responsibilities and liabilities of the Multimodal Transport Operator.

**Section C** ( $2 \times 15 = 30$ ) Marks**PART - A - Case Study - Compulsory Question**

19. PFC Ltd. is a leading Fast Food Processing Company operating from Noida. It is involved in the fast food business since last 10 years and has a tie up with a foreign firm operating in the same field. It handles both vegetable and grocery items for which it arranges the required vegetables and grocery items from local vegetable vendors and grocerers as well as from far off places like Bhopal, Indore and Pune. It has very good market in Delhi, Agra and surrounding cities.. The products are sold in the brand name of B'FAST which is very popular brand among the young collegians and office goers. It has its most modern kitchen at Gurugram to cater to the needs for fresh B'FAST. Vegetables and grocery items are transported from the procurement centres of Bhopal, Indore and Pune using hired trucks. While transporting vegetables and other food items, there were shortages, damages and decomposition problems which varies from 10% to 15% and there is inconsistency in the transit time, the reliability of the raw material transporters is very low.

Packing of B'FAST is very good and attractive but it is not long lasting type. However, the quality and taste are the reasons for its popularity. B'FAST is sold in three different packs – party, family and individual. B'FAST loses its taste and flavour after 8 hours, if it is not preserved in refrigeration. B'FAST is distributed through 30 distribution centres including three at its main procurement centres of Bhopal. Indore and Pune.

Transportation and storage problems are identified as the main culprits for the heavy losses being incurred at some centres. The managing Director of the company has formed a team consisting of senior executives to suggest a concrete plan to overcome problems of transport and storage.

As a Logistics Consultant, you are required to put forward your suggestions for the following:

- (a) Proper transportation policy to ensure minimum transportation loss of vegetables and grocery items.
- (b) Advice on the company owning its own fleet of transport.

**PART - B**

Answer any **ONE** questions

- 20. Discuss the operational objectives of logistics. How can they contribute in the achievement of a logistical mission?
- 21. Write a detailed note on integrated IT solutions for logistics and supply chain management.

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