

# Supply Chain Digitization (NPTEL)

## Assignment 4

1. In a typical buyer-supplier context, the buyer search for the right supplier based on:
  - a) High Price, High Quality, and Low Service
  - b) Low Price, High Quality, and Low Service
  - c) Low Price, High Quality, and High Service
  - d) Low Price, High Quality, and Low Service

Ans: Low Price, High Quality, and High Service

2. A company, XYZ, manufactures different grades of steel sheets. Company XYZ purchases raw materials through a local supplier. After the sale, Company XYZ could not break even due to high manufacturing costs. What could be the potential reasons for XYZ's loss?
  - a) Company XYZ could not make the right supplier decisions due to a lack of information available.
  - b) Company XYZ had purchased all raw materials from a single local supplier at a high cost.
  - c) Company XYZ purchased all raw materials from local suppliers at a low cost.
  - d) None of the above

Ans: Company XYZ could not make the right supplier decisions due to a lack of information available., Company XYZ had purchased all raw materials from a single local supplier at a high cost.

3. In the context of platform economy, the “platform” provides visibility of:
  - a) Players (Buyers, Suppliers, etc.)
  - b) Product/Service Characteristics
  - c) Review
  - d) Price comparison

Ans: Players (Buyers, Suppliers, etc.), Product/Service Characteristics, Review, Price comparison

4. Platform economy in the Digital Age provides virtual platforms which enable:
  - a) Both virtual and offline transactions between parties
  - b) Virtual transactions only
  - c) Offline transactions only
  - d) None of the above

Ans: Both virtual and offline transactions between parties

5. In which of the following channel structures the decision-making with respect to functions of the supply chain and its entities is carried out through any one of the supply chain entities?
  - a) Decentralized channel structure
  - b) Centralized channel structure

Ans: Centralized channel structure

6. What basic challenges complicate the supply chain within the platform economy?
- a) High Profit
  - b) Many paths for the transactions
  - c) Low competition
  - d) Many Players

Ans: Many paths for the transactions, Many Players

7. Which of the following scenarios is suitable for a Decentralized supply chain structure?
- a) Local steel supply chain, in which the manufacturer manages each decision.
  - b) A global platform connecting many sellers and buyers managing all the decisions.
  - c) Global automobile supply chain, in which each entity makes its production and distribution decisions independently.
  - d) Single supplier handling the supply chain decisions for distribution of products in different markets

Ans: Global automobile supply chain, in which each entity makes its production and distribution decisions independently.

8. In a single-period planning, a Q-commerce company and a regional food supplier, the Q-commerce company decided to procure a number of food products for sale by forecasting based on historical demand to maximize the potential profit. On the other hand, the food supplier has a choice to accept or reject the order placed by the Q-commerce company. What type of decision-making structure is used in the above example?
- a) Artificial decision-making
  - b) Collaborative decision-making
  - c) Centralized decision-making
  - d) Decentralized decision-making

Ans: Decentralized decision-making

9. Which of the following does not represent a virtual platform for the Platform economy in the digital age?
- a) Flipkart
  - b) Mandi
  - c) Mall
  - d) Zepto

Ans: Mandi, Mall

10. Which of the following is a key advantage of a centralized inventory management system in a Q-commerce supply chain?
- a) Slow decision-making at the local level.
  - b) Improved visibility and control over stock levels across all hubs.
  - c) Greater flexibility for regional hubs to manage their inventory independently.
  - d) Reduced reliance on demand forecasting

Ans: Improved visibility and control over stock levels across all hubs.

11. Which of the following strategies can help to reduce the complication of the supply chain within a platform economy with multiple intermediate buyers and sellers?
- a) By restricting the flow of information between buyers and suppliers
  - b) By improving the visibility and transparency of buyer-seller information
  - c) Employing digital technology and AI for appropriate decision-making at each stage
  - d) Making the transaction in offline modes

Ans: By improving the visibility and transparency of buyer-seller information, Employing digital technology and AI for appropriate decision-making at each stage

12. What are the key decisions made to optimize the supply chain coordination?
- a) Determine the quantity to order at each stage
  - b) Selecting the appropriate suppliers
  - c) Locating the facilities for the maximum cover of customers
  - d) Deciding the product pricing

Ans: Determine the quantity to order at each stage, Selecting the appropriate suppliers, Locating the facilities for the maximum cover of customers, Deciding the product pricing

13. For the Platform economy context, which of the following statements is correct?
- a) Many intermediate buyers and suppliers
  - b) No intermediate buyers and suppliers
  - c) One intermediate buyer and supplier
  - d) All of the above

Ans: All of the above

14. Which of the following statements is correct regarding the traditional Platform economy?
- a) The platforms are primarily online, and transactions happen offline
  - b) The platforms are primarily online, and transactions happen online
  - c) The platforms are primarily offline, and transactions happen offline
  - d) The platforms are primarily offline, and transactions happen online

Ans: The platforms are primarily offline, and transactions happen offline

15. Which of the following could be entities of an e-commerce website?
- a) Transportation provider
  - b) Seller
  - c) Financial institution
  - d) Customer

Ans: Transportation provider, Seller, Financial institution, Customer