

- (b) Transportation management system
(c) Autonomous and drones in logistics.

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 611

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Unique Paper Code : 6132373501

Name of the Paper : Technology in Supply Chain
Management

Name of the Course : **B.A. (Vocational Studies)**
Material Management

Semester : V (NEP)

Duration : 3 Hours

Maximum Marks : 90

Instructions for Candidates

1. Write your Roll. No. on the top immediately on receipt of this question paper.
2. Attempt **any five** questions.
3. All questions carry equal marks.
1. Define supply chain management. Do technologies have a significant impact on supply chain management? Explain in detail.

P.T.O.

2. Just-in-Time (JIT) and lean principles have been pivotal in inventory management strategies. Explain how these principles are applied in modern supply chains with the support of advanced inventory management software and tools.
3. How does technology enable businesses to minimize inventory costs while ensuring customer demand is satisfied?
4. Discuss the importance of statistical forecasting methods and predictive analytics in demand forecasting for supply chain management. How do machine learning techniques contribute to improving the accuracy of demand predictions?
5. The Internet of Things (IoT) has revolutionized the way supply chains operate by providing real-time data

- and enhancing visibility. Discuss the role of IoT applications in supply chain management.
6. Artificial Intelligence (AI) and Machine Learning (ML) are playing a pivotal role in optimizing supply chain operations. Discuss the applications of AI and ML in supply chain optimization.
 7. The integration of AI, IoT, and blockchain can significantly improve supply chain operations. Explain how these technologies work together to enhance supply chain visibility, efficiency, and collaboration.
 8. Attempt any two of the following:
 - (a) Customer Relationship Management in SCM