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**MMPL-004**

**M. B. A. (LOGISTICS AND SUPPLY  
CHAIN MANAGEMENT) (MBALS)**

**Term-End Examination**

**June, 2026**

**MMPL-004 : SUPPLY CHAIN TECHNOLOGY  
AND INFORMATION SYSTEMS**

*Time : 3 Hours*

*Maximum Marks : 100*

*Weightage : 70%*

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**Note :** *This question paper has eight questions.  
Attempt any **five** questions. All questions  
carry equal marks.*

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1. Explain the concept of Supply Chain Technologies (SCT) and discuss their role in improving efficiency, visibility, and responsiveness in modern supply chains.

2. Explain the strategic importance of technology adoption in supply chain management. How does technology contribute to competitive advantage ?
3. Describe the concept of Supply Chain Information System (SCIS) and discuss their importance in improving coordination and decision-making in supply chains.
4. Explain the concept and applications of Electronic Data Interchange (EDI) in supply chain management. Discuss its advantages and limitations.
5. With the help of suitable industry examples, discuss the applications of Internet of Things (IoT) in supply chain management.
6. Explain the concept of digital transformation in supply chain management and discuss the technologies enabling this transformation.

7. Analyze the benefits and challenges of implementing AI and ML technologies in supply chain management.
8. Write short notes on any *four* of the following :
  - (a) Green Supply Chain Management (GSCM)
  - (b) Role of change management in Technology Adoption
  - (c) Cyber security Risks in Digital supply chains
  - (d) Gartner's Hierarchy of Supply chain Metrics
  - (e) 3D Printing in Supply Chains
  - (f) Big Data Analytics for Supply chain optimization

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