



**DELHI SCHOOL OF BUSINESS**

By Vivekananda Institute of Professional Studies – TC

**PGDM / PGDM (FINTECH) Program**

**TRIMESTER - VI (Batch: 2023-25)**

**END-TERM EXAMINATION, April 2025**

<b>Course Name</b>	Blockchain	<b>Course Code</b>	BC
<b>Duration</b>	Three Hours	<b>Max. Marks</b>	60

**Instructions:**

1. Attempt any 4 questions from 1 to 5.
2. Question 6 is compulsory.
3. Provide detailed and well-structured responses with real-world examples wherever applicable.
4. Use diagrams and illustrations wherever necessary.

**Q.1**

A logistics company wants to track goods using Blockchain technology to ensure transparency and traceability. How can Blockchain help improve the visibility of goods throughout the supply chain? What would be the benefits of using Blockchain in inventory management and tracking shipments? Identify potential challenges the company might face in implementing Blockchain in its supply chain.

**(20 Marks) CO3**

**Q.2**

Explain the concept of Blockchain and its revolutionary impact on traditional industries, especially Banking and Finance. Discuss the Byzantine General's Problem and how Blockchain solves the Double-Spending Problem.

**(10 Marks) CO1**

**Q.3**

What are the key elements of Blockchain? Describe how a block is formed and explain the importance of consensus algorithms. How do these elements ensure security and decentralization in a Blockchain network?

**(10 Marks) CO2**

**Q.4**

Compare and contrast the types of blockchains: Public, Private, and Consortium blockchains. Discuss their characteristics, advantages, and use cases in various industries. How can Blockchain provide a strategic value proposition for financial organizations?

**(10 Marks) CO4**

**Q.5**

Discuss the current trends in Blockchain technology, such as tokenization, cryptoeconomics, and the rise of central bank digital currencies (CBDCs). How are these trends shaping the future of financial systems?

**(10 Marks) CO5**

**Q.6**

What is Blockchain? Explain the basic concepts of distributed ledger technology and how Blockchain ensures transparency, security, and decentralization. Illustrate the key differences between centralized, decentralized, and distributed systems with examples.

**(10 Marks) CO1**