

**Tribhuvan University**  
**Institute of Science and Technology**  
**Model Question Paper**

Bachelor Level/ Third Year/ Sixth Semester/ Science  
Computer Science and Information Technology  
(CSC- 356 – Fundamentals of E-commerce)

Full Marks: 60  
Pass Marks: 24  
Time: 3 hours.

*Candidates are required to give their answers in their own words as far as practicable.*

**The figures in the margin indicate full marks.**

**Attempt all questions.**

**Section A**

**Illustrative Based Descriptive Questions:**

**Attempt all questions.**

**(3x10=30)**

1. Define electronic commerce. Explain the anatomy of E-commerce process architecture.
2. Explain the Mercantile model from the merchant's perspective.
3. How four layers of EDI ensure transmission of message and data between the trading partners in economic transaction? Also mention the tangible benefits of EDI.

**Section B**

**Reason Based Analytical Question.**

**Attempt all questions.**

**(6x5=30)**

4. Illustrate and explain the components of the I-way.
5. Give following services/products, would e-commerce or traditional commerce work best? Give brief justifications to your answer.
  - a. Browsing through new books
  - b. Sale/purchase of shoes
  - c. Sale/purchase of collectibles (trading cards, plants etc.)
6. Explain digital token based electronic payment system with major focus on F-cash and E-checks.
7. How digital documents enhanced business data processing? Mention the various types of digital documents.
8. How data and message security can be enforced e-commerce transaction?
9. Write short notes (any two)
  - a. SSL vs. S-HTTP
  - b. Types of E-commerce based on transaction types
  - c. OTP steps for online transactions