

**Tribhuvan University**  
**Institute of Science and Technology**  
**2074**

Bachelor Level / sixth-semester / Science Full marks: 60 **Computer Science and Information Technology(CSC370)** Pass marks: 24 (E-commerce) 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** (3x10=30)

1. Explain the e-commerce architecture and its components in detail with a diagram.
2. What is e-payment? Explain the functions of the e-payment system. Why is orientation and standardization required for an e-payment business system?
3. Define EDI. Explain with a labeled diagram about secure electronic transaction protocol.

**Section B** (6x5=30)

4. What are the main characteristics of internet-based EDI?
5. Explain the architectural model of B2B E-commerce.
6. What are the security issues of e-commerce?
7. What are the various threats posed by servers in a client-server environment?
8. What are the advantages and disadvantages of smart-card?
9. Explain the corporate data warehouse with examples.