

**MTCF-104**  
**M.E./M.Tech., I Semester**  
**Examination, November 2018**  
**E-Commerce Security**  
**Time : Three Hours**

**Maximum Marks : 70**

**Note:** i) Attempt Any Five questions.  
ii) All questions carry equal marks.

1. a) Define the term E-Commerce. Explain the architecture of E-Commerce.  
b) What is supply chain management? How does E-Commerce help in supply chain management?

2. a) Explain any three models of E-Business based on relationship of transaction parties.  
b) What is E-Branding? Explain elements of Branding. What do you mean by spiral branding?

3. a) Define the term electronic data interchange. Give cost benefit analysis of EDI.  
b) Give an overview of EDI FACT software. Define its structure.

4. a) Explain the technique behind Digital Signature and its advantages.  
b) What is WAP? Explain the architecture of WAP.

5. a) Discuss the relationship between a security policy and a security model.  
b) Explain Biba model and Clark Wilson model.
6. a) Write a note on access matrix model.  
b) Discuss the *importance of information system*
7. a) What are the different steps or methods should be involved for better security in database.  
b) What are basic update strategies in the context of recovery? Explain with the help of suitable example.
8. Write short notes on  
i) Harrison-Ruzzo-Ullman model  
ii) Malicious software  
iii) Optimistic concurrency control  
iv) Linear Hashing