



**II SEMESTER M.TECH. (CSE/CSIS) DEGREE**  
**END SEMESTER EXAMINATION-APRIL/MAY 2017**  
**SUBJECT: SECURE E-COMMERCE (CSE 5241)**  
**REVISED CREDIT SYSTEM**  
**( 27/04/2017)**

Time: 3 Hours

MAX. MARKS: 50

**Instructions to Candidates:**

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

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| 1A. | What are the E-business models based on the relationship of transaction types?   | 4M |
| 1B. | What is a B2C model? Draw the flowchart and explain the processes in a B2C model.  | 3M |
| 1C. | What are the transactional properties of dematerialized currencies? Which of these properties are present in a debit card?   | 3M |
| 2A. | Briefly explain the following:<br>i. Direct Debit                      ii. Credit Transfer<br>iii. Virtual Money                iv. Banking clearance & settlement systems | 4M |
| 2B. | What are the applications of IPSec protocol?   | 2M |
| 2C. | What are the salient features of IKE key determination protocol? Explain.  | 4M |
| 3A. | Draw a neat diagram and explain the working of SHA-512 algorithm.  | 5M |
| 3B. | Draw a neat diagram and explain handshaking in SSL protocol. Mention any two differences between SSL and TLS.  | 5M |
| 4A. | Explain the various SET payment messages.  | 4M |
| 4B. | Name the WTLS sub protocols. What are the different certificates supported by WTLS? What is the service constraint in WTLS?  | 3M |

- 4C. Describe the general architecture of C-SET. 3M
- 5A. Distinguish between Payword and Micromint. 4M
- 5B. What is the role of payment intermediary in hybrid SSL/SET architecture? 3M
- 5C. Describe the functionality of Digicash payment system. 3M

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