



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 113501

Roll No.

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B. Tech.

**(SEM. V) (ODD SEM.) THEORY
EXAMINATION, 2014-15
E-COMMERCE**

Time : 3 Hours]

[Total Marks : 100

Note: All questions are mandatory

1. Attempt any four parts of the following:- **5x4=20**
 - (a) Define E-Commerce and various issues related to E-Commerce.
 - (b) Compare E-Commerce over Traditional business and draw E-Commerce architecture.
 - (c) Explain different types of E-Commerce in detail.
 - (d) What is the impact of E-Commerce?
 - (e) Explain Network Infrastructure and various components of Iway.
 - (f) What is the role of Broadband Telecommunication in E-Commerce?

2. Attempt any four parts of the following:- **5x4=20**

- (a) Discuss about frame relay and ATM.
- (b) What is Mobile Commerce and its Framework?
- (c) Write the objectives, benefits, and applications of Wireless Application Protocol (WAP).
- (d) Describe the Wireless Application Protocol (WAP) stack.
- (e) Write short note on technologies in M-Commerce.
- (f) Define any two of the following terms:-
 - (i) CDMA
 - (ii) GPRS
 - (iii) GSM

3. Attempt any two parts of the following:- **10x2=20**

- (a) Discuss the role of firewall, importance and factors considered in firewall design.
- (b) Write short notes on :-
 - (i) Trust based security
 - (ii) Security through obscurity
- (c) Discuss in brief the security issues on the web. What are the various network security threats and their remedies? Discuss.

4. Attempt any two parts of the following:- **10x2=20**

- (a) Explain Virtual Private Network (VPN) in detail, with its types. What are the various issues related to VPN?
- (b) What is payment gateway? Discuss the various issues that are involved in Electronic Payment System (EPS).
- (c) Define the following terms:-
 - (i) Sniffer
 - (ii) Triple Encryption
 - (iii) Message Integrity
 - (v) Digital Public-Key Certificates

5. Attempt any two parts of the following:- **10x2=20**

- (a) What are the problems with Traditional Payment Systems? Explain how the problems are solved in Digital Token based Electronic Payment System.
- (b) Explain Secure Electronic Transaction (SET). What is the need for SET? What are the features does SET specify?
- (c) Explain the following:-
 - (i) Smart Card
 - (ii) E-checks