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Roll No .....

**MCSE - 201****M.E./M.Tech., II Semester**

Examination, December 2015

**Web Technology And E-Commerce***Time : Three Hours**Maximum Marks : 70*

- Note :** i) Attempt any five questions.  
ii) Each question carry equal marks.

1. a) What is ARP? Explain its functionality. How does it differ from RARP.  
b) What is DNS server? Differentiate between primary and secondary DNS server.
2. a) Explain the life cycle of servlet. Write a code for demo servlet to explain all the three stages of servlet life cycle.  
b) What are the custom tags in JSP? Explain their features. What are the three component that make up a tag in library? Explain with the help of an example.
3. a) Why is security important in E-commerce? Discuss the security issues to be taken into account while designing a security system for E-commerce?  
b) What are the technical problems encountered during credit card transactions? How to overcome the problem?
4. a) Compare and contrast between electronic commerce and traditional commerce.  
b) Explain SET protocol used in credit card transactions. What is the main interesting aspect of SET protocol which gives confidence to customers transacting business using the internet?
5. a) What is meant by E-auction? How will you conduct E-auction? What is the technology behind it? Discuss briefly.  
b) Write a detailed notes on digital signature and firewalls.
6. a) With suitable illustration explain the operation of cyber cash.  
b) Why do we need XML? Also list the advantages of XML over HTML and SGML?
7. a) What is WAP? Explain WAP architecture.  
b) What is DTD? Why do we use it with XML documents? Explain the different components of DTD with example.
8. Write short notes on the following:-
  - a) JAVAbeans
  - b) E-services
  - c) E-governance architecture
  - d) WAP model

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