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Roll No

MCSE-201

M.E./M.Tech., II Semester

Examination, June 2016

Web Technology and E-Commerce

Time : Three Hours

Maximum Marks : 70

Note: Attempt any five questions. All questions carry equal marks.

1. a) Give the frame format of ARP and RARP. In which layer these protocols are used. Explain the function of each protocol. 7
b) What do you mean by cookies? List out its advantages and disadvantages. 7
2. a) What is DNS server? Different between primary and secondary DNS server. 7
b) Explain briefly the life cycle of applets. What are the basic steps of creating an applets. Write a hello world applet program. 7
3. a) What is HTTP? Explain its utility and the various methods used by HTTP. 7
b) What is a search engine? What are the main principles used by a search engine to retrieve information from the web? Give the name of some popular engines. 7

4. a) Explain with a block diagram how credit card transactions using SET protocol works. 7
b) What is e-governance? Discuss briefly its evolution. 7
5. a) What is Public Key Encryption? In what ways is it different from Private Key Encryption? Why is it important in E-Commerce. 7
b) What is digital signatures? State the needs of digital signature during data transmission. 7
6. a) What infrastructure is needed if a business wants to start a B2B operation? 7
b) Explain the term E-Services? What are the different categories of E-Services? 7
7. a) Discuss WAP architecture? What is the function of each layer of this architecture? 7
b) Give a brief overview of E-Cash and E-Check. 7
- 8 Write short notes on the following: (Any four) 14
 - a) BOOTP
 - b) ASP
 - c) CGI
 - d) Micro Payment System
 - e) Mobile Agents
