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MCSE-201

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

Examination, June 2013

Web Technology and E-Commerce

Time : Three Hours

Maximum Marks : 70

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

1. a) Any implementation of ARP that uses of fixed size cache can fail when used on a network that has many hosts and much ARP traffic. Explain how?   7

   b) What is the single greatest advantage of having the IP checksum cover only the datagram header and not the data? What is the disadvantages.   7

2. a) There is no ICMP message that allows a machine to inform the source that transmission error are causing datagrams to arrive corrupted. Explain why?   7

   b) Discuss how CGI works at a conceptual level? What is the biggest disadvantage of CGI? How does ASP score over CGI?   7

3. a) Mention some other tasks of a proxy server except caching web pages. How web pages in the proxy's cache are made consistent with web pages stored on the original webserver?   7

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   b) What modifications should you make for your HTML files to work in XML? Describe different techniques that are used to process XML files.   7

4. a) i) Describe how an HTTP servlet handles its client requests.

      ii) What are the advantages of cookies over URL rewriting?   7

   b) Write short notes: 7

      i) Object request Broken

      ii) Semantic Web

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5. a) What is E-Commerce? Discuss different types of e-commerce? Also discuss its advantages.   7

   b) Describe various e-business models briefly.   7

6. a) How are data and message security handled in e-commerce? Explain.   7

   b) Explain SET protocol for credit cord payment.   7

7. a) Give a brief note on smart cord and mondex.   7

   b) Explain the issues in e-governance? Discuss the various e-governance models briefly?   7

8. Write short notes:-   14   **www.rgpvonline.com**

   i) Mobile Agents

   ii) WAP Architecture

   iii) Web security

   iv) Digital signatures.