Roll No ....

MCSE - 201

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

Examination, July 2015

Web Technology And E-Commerce

Time : Three Hours

Maximum Marks : 70

Note : Attempt any five questions. Each question carry equal marks.

1. a) What are the different query messages in ICMP for Network monitoring and Management?

   b) How does DNS work in Internet? Also explain what are domain servers?

2. a) Using servlet, JSP, JDBC and XML create a web application for a courier company to provide online help in tracking the delivery status of items.

   b) What is DTD? Why do we use it with XML documents? Explain the different components of DTD with example.

3. a) What is HTTP? Explain its utility and the various methods used by HTTP.

   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?

4. a) Explain the importance of electronic commerce. How does Internet advertising offer a two-way channel for electronic commerce.

   b) Explain the security setup needed for cyber cash.

5. a) What is Digital Signatures? State the needs of Digital Signature during data transmission.

   b) Explain in brief Smart card and Mondex.

6. a) What is WAP? Explain WAP Protocol stack.

   b) Write code to use a form to authenticate a client using the session information stored in the HTTP session object in the web server.

7. a) What is Public key encryption? In what way is it different from Private Key Encryption? Why is it Important in E-Commerce?

   b) RARP and ARP both map addresses from one space to another. Explain their differences and significances.

8. Write short notes on the following :

   a) Mobile Agents

   b) Cyber Crime and Law

   c) Web Enabled Services

   d) Object Request brokers

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