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Roll No. 0132C508MT01

MCSE-201

M. E./M. Tech. (Second Semester)
EXAMINATION, Oct., 2009
WEB TECHNOLOGY AND COMMERCE
(MCSE-201)

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

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

1. (a) Discuss how a user gets connected to the internet using an ISP ? 10
- (b) How does the Address Resolution Protocol (ARP) work ? 10
2. (a) Explain the following messages : 10
 - (i) Destination unreachable
 - (ii) Source quench
- (b) When DNS server receives a request, what are the possible actions that it can take ? 10
3. (a) Describe the steps involved when a web browser requests for and obtains a web page from a web server. 10

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- (b) Discuss the idea of HTML tag with an example and what are plug-ins ? 10
4. (a) What are *three* approaches for e-Commerce application development ? 10
- (b) How does ASP score over CGI and discuss how CGI works at a conceptual level ? 10
5. (a) Discuss life cycle of a JSP and explain what are Java beans. 10
- (b) What is the difference between cookies and session variables ? 10
6. (a) Describe the concept of an ORB and how is an ORB call different from a RPC call ? 10
- (b) How does CTM help in managing database connection ? 10
7. (a) Illustrate how digital signatures work by giving an example. 10
- (b) Describe how credit card payment works without a payment gateway ? 10
8. Write short notes on any *four* of the following : 5 each
- (i) Enterprise Java Beans (EJB)
 - (ii) Common Object Request Broker Architecture (CORBA)
 - (iii) Electronic Data Interchange (EDI)
 - (iv) Extensible Markup Language (XML)
 - (v) Cyber law