Roll No. ....

24163

B. Tech. 4th Semester (Information Technology) Examination – May, 2013

INTERNET FUNDAMENTALS

Paper : CSE-208-F

Time : Three hours]   [Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. Question No. **1** is *compulsory*. Select *one* question from each Unit.

1. Explain the following in short :
   (a) Newsgroup
   (b) DNS
   (c) Web Servers
   (d) Search Engine
   (e) Digital Signatures

SECTION - A

2. What is Internet ? How Internet works ? What are the various method of connecting to the Internet ?

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3. Explain the following :

    (i)   Internet congestion

    (ii) IPV 6

SECTION - B

4. (a) Give a brief introduction of web browser. Explain coast-to-cost surfing.

    (b) What do you mean by Plug-ins ? Explain different types of Plug-ins.

5. What are search engine ? How are they useful ? Explain the significance of spider in working of search engine.

SECTION-C

6. (a) Explain the anchor tags with syntax. How is a hyperlink created for a document ?

    (b) What is XML ? Explain the difference between HTML and XML.

7. (a) What is Apache Web Server ? Explain the features of Apache Web Server.

    (b) Write a program using Java Script looping construct to display the multiplication table of any number.

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SECTION - D

8. (a) What do you mean by data encryption ? Explain in detail any two encryption schemes.

   (b) What is digital signature ? How is a digital signature used for authentication ?

9. What is firewall ? How does a firewall system work. Also state advantages and limitations of firewall.

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