Roll No. ....

24163

B. Tech. 4th Semester (Information Technology/C.E.E./Common to these Branches) Examination – May, 2011

INTERNET FUNDAMENTALS

Paper : CSE-208-F

Time : Three hours]   *[Maximum Marks : 100*

Before answering the questions, 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 : The students have to attempt first common question, which is *compulsory,* and *one* question from each of the *four* sections. Thus student will attempt *five* questions out of *nine* questions.

COMPULSORY SECTION

1. Discuss about following in short :   20

     (a) MIME Type

     (b) FTP & Telnet

     (c) Web Servers

     (d) Firewalls

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SECTION – A

2. Discuss the Architecture and Services of e-mail system in detail. 20

3. What is DNS ? Explain working of DNS with the help of example. 20

SECTION – B

4. (a) What do you understand by plug-ins ? Explain with the help of example. 5

    (b) What is HTML ? Create a webpage to display given message "Welcome to My Home page". Also write all the steps from installation on web server to view this page through web browser on remote client machine. 15

5. Discuss various components and working of search engines. 20

SECTION – C

6. What do you understand by Client and Server side programming ? Write a client side script in Java script to check whether a given date is valid or not ? 20

7. (a) What are forms ? Explain with example and Justify the need of form processing. 10

    (b) What is XML ? Discuss structure of XML page with the help of example. 10

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SECTION – D

8. What do you understand by encryption ? Discuss different encryption schemes. 20

9. What are Digital Signatures ? Explain the working of Digital signature with the help of example. What kind of security can be achieved through Digital signature ? 20