

Roll No.

24163

**B. Tech 4th Sem. (Information
Technology/C. E. E.)**

Examination – May, 2012

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 complain 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 9 questions.

Compulsory Question

1. (a) Discuss various modes of connecting to Internet. 5
- (b) What do you understand by Coast to coast surfing ? 5

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- (c) What are Web Servers ? Discuss their significance. 5
- (d) Discuss the techniques, in short, to make Web Document secure. 5

SECTION – A

2. What is DNS ? Justify its need and also discuss forward lookup & reverse lookup with the help of suitable example. 20
3. Discuss various components/structure of e-mail Id. Also explain working of e-mail system. 20

SECTION – B

4. What are the search engines ? List some of popular search engines. Explain the working mechanism of search engines. 20
5. Create a webpage to demonstrate uses of following HTML tags : 20
- (a) Meta tag
 - (b) Table tag
 - (c) Anchor tag
 - (d) IMG tag

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SECTION – C

6. (a) Create a simple example webpage in XML. Also discuss the uses of XML. 10
- (b) What is web server ? Discuss the functionality of IIS webserver. 10
7. Create simple webpage to display message "Welcome" in HTML and enumerate all the steps to make it available on internet/intranet. 20

SECTION – D

8. (a) What is Firewall ? Justify its need. 8
- (b) What is meant by encryption ? Discuss public key encryption technique. 12
9. Discuss the causes behind emergence of Digital Signatures ? Explain the working of Digital signature with the help of example. 20