**24163**

B.Tech. (CSE) 4th Semester F-Scheme

Examination, May-2019

INTERNET FUNDAMENTALS

Paper-CSE-208-F

Time allowed : 3 hours]　　　　[Maximum marks : 100

**Note :** *Attempt five questions, selecting* **one** *question from each section and* **Question No. 1 is compulsory.**

1. Describe the following :　　　　20

   (a) What is web documents ? Explain.

   (b) Define the term Internet ? Explain the benefits of internet.

   (c) Explain Chat Rooms.

   (d) How E-mail Management take place ?

### Section-A

2. (a) Explain the following :　　　　10

   (i) Message Components

   (ii) Domain name system

   (b) What are IP addresses ? Justify their significance. Also discuss structure of IPV4 and IPV6 addressing.　　　　10

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3. (a) Explain collaborative computing. Discuss the significance of collaborative computing.　　12

   (b) What do you mean by mailing list ? Explain different types of mailing list.　　8

### Section-B

4. Explain the following :　　　　20

   (a) Telnet

   (b) Plugin

   (c) Front-page express

   (d) Coast-to-coast surfing

5. What are meta search engine ? Explain the working of meta search engines. Also explain search strategies in detail.　　　　20

### Section-C

6. (a) What is Apache web server ? Explain various features of Web servers.　　10

   (b) What is the difference between Client side Java Script and Server side Java Script ? Explain with the help of example.　　10

7. Write a short note on :　　　　20

   (a) XML

   (b) Advanced HTML

   (c) Accessing web server

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## Section-D

8.  (a)  What is digital signature ? How a digital signature is used for authentication ?    10

    (b)  What is firewall ? How does a firewall system works ? Also state advantages and limitations of firewall.    10

9.  Describe the following :    20

    (a)  Secure Web document

    (b)  Software complexity

    (c)  Encryption schemes