

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
- What is web documents ? Explain.
  - Define the term Internet ? Explain the benefits of internet.
  - Explain Chat Rooms.
  - How E-mail Management take place ?

**Section-A**

2. (a) Explain the following : 10
- Message Components
  - Domain name system
- (b) What are IP addresses ? Justify their significance. Also discuss structure of IPV4 and IPV6 addressing. 10

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
- Telnet
  - Plugin
  - Front-page express
  - 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
- XML
  - Advanced HTML
  - Accessing web server

## 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