

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2123)

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B. Tech 3rd Semester Examination

Internet Fundamentals (N.S.)

IT-212/CS-213

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all, select one question from each sections A, B, C and D. Section E (Question 9) is compulsory.

SECTION - A

1. (a) Explain the different modes of connecting to internet. **(10)**
(b) Define client server computing and explain it with help of a diagram. **(10)**
2. (a) What is bandwidth management? Explain similarities and differences between IPv4 and IPv6 protocols. **(10)**
(b) Differentiate Internet address and standard address. Also explain type of internet account. **(10)**

SECTION - B

3. (a) Discuss different components of most common email address format. **(10)**
(b) What do you mean by WWW & also compare WEB 2.0 & WEB 3.0? **(10)**
4. Explain the following terms:
(a) FTP (b) Telnet (c) DNS (d) Cookies. **(20)**

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SECTION - C

5. (a) What is programming language ? Explain creation of client side programs. (10)
- (b) Explain structure of website and different web services. (10)
6. (a) What is e-commerce? What are its types? (10)
- (b) Write introduction and origin of newsgroups. (10)

SECTION - D

7. (a) Explain voice and data convergence in networks. (10)
- (b) Explain file sharing and file transfer with suitable examples. (10)
8. What do you mean by network security ? Explain why it is needed. (20)

SECTION - E

9. (a) Differentiate intranet and extranet.
- (b) Give introduction to the term Blog.
- (c) Explain etiquettes on the internet.
- (d) What is AJAX and where it is used?
- (e) How can we create hypertext links in HTML?
- (f) Explain the functionality of TCP/IP protocol of internet.
- (g) Explain the term WWW and its uses.
- (h) Explain the super tool for better computing.
- (i) Write down major internet services.
- (j) Explain web browsers. (2×10=20)