Roll No. ....
Printed Pages : 2

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BT-3 / D-17
INTERNET AND WEB TECHNOLOGY
Paper–IT-205N

Time allowed : 3 hours]　　　　　*[Maximum marks : 75*

Note : Attempt five questions in all, selecting at least one question from each unit. All questions carry equal marks.

Unit–I

1. Differentiate between :　　　　　15
   (i) Ring and Star Topologies.
   (ii) Internet Address and Standard Address
   (iii) Hub and Switch.

2. Explain different steps which are involved in the establishment of Internet connection. Describe why an application developer may choose to run an application UDP rather than TCP.　　15

Unit–II

3. What is the role of Netiquette in message composition? What are POP, SMTP and IMAP in context of e-mail? Give merits and demerits of POP.　　　　　15

4. Compare and contrast Mozilla Firefox and Microsoft Internet browser. Summarize your findings in a page. Discuss the effective ways of using search engines.　　　　　15

Unit–III

5. (a) Write HTML code on same webpage for the following:10
   (i) To create an unordered list and nested list.

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   (ii) To create links to two search engines and to create a hyperlink on the picture.
   (iii) To display an image that has a border of size 4, a width of 250, and a height of 250.
   (iv) Write a HTML program to print a paragraph with 4 sentences. Each sentence should be made of different font.
   (v) To create links to sections on the same web page and to create a fixed background image.

   (b) State the commands used for grouping of elements in CSS.　　　　　05

6. (a) What do you mean by validation? Using JavaScript, validate an input-field that contains an E-mail address.　　08

   (b) Write a program in JavaScript to change the background color of a web page dynamically and also to display the current date and time in a textbox attached on same web page.　　　　　07

Unit–IV

7. (a) Explain the usage of network security. What types of attacks are existed and in order to overcome the existing attacks what types of security policies are available?　　08

   (b) What do you mean by IDS and Proxy server? Explain why IDS is preferred over Firewalls.　　　　　07

8. (a) What is a firewall, what does it accomplish, and how does it accomplish it?　　　　　08

   (b) Explain the working of Internet Information Server.　　07

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