

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2125)

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B. Tech 7th Semester Examination
Web Technology (NS)
CS-413

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 : Candidates are required to attempt five questions in all selecting one question from each of the section A, B, C and D of the question paper and all the subparts of the question in section E. Use of non-programmable calculator is allowed.

SECTION - A

1. What are various security issues related to internet? Explain some ways by which authorization and Security can be imposed in the Internet? (20)
2. What is the role of an Information Architect? List the challenges associated with the designing of a navigation system. Briefly explain briefly different types of navigation systems. (20)

SECTION - B

3. Write and explain any five HTML form objects that are required for obtaining user details for a typical online user registration process. Also, write Java scripts to validate the information of these HTML form objects for a typical online user registration process. (20)
4. State objectives of using CSS and explain various CSS properties. Briefly explain about linking of style sheets and fixing backgrounds by using a suitable example. (20)

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SECTION - C

5. Explain in detail DOM event handling. Also explain with an example of creating a context menu. [Note: A context menu is one that is shown when the user right clicks anywhere in the document]. (20)
6. Create a JSP login form with login id and password fields for an educational web site. Use the POST method for form action and write a program to check whether the login details entered is matching with the information stored in a database or not. (20)

SECTION - D

7. Why should namespaces be used in XML? Explain with an example. Discuss briefly the various XML Dom methods. (20)
8. What do you understand by the statement "HTTP is a stateless protocol"? How the statelessness of the protocol is handled? Discuss the structure of the HTTP request and HTTP response messages. (20)

SECTION - E

9. Write short note on following:
 - (a) JSP versus Servlets.
 - (b) Write the use of UDDI.
 - (c) Use of SGML.
 - (d) Use of XSL.
 - (e) High level architecture blueprint.
 - (f) Structure of HTML document.
 - (g) Anchor attributes.
 - (h) Net Beans.
 - (i) Discuss JAX and RPC.
 - (j) Define DTD. (10×2=20)