16189(D)   - 0 DEC 2016

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. Define the navigation system. What are the ways of designing navigation system with integrated navigation elements? Explain by giving an example. (20)

2. How the high level architectural blue print is prepared? What is the role of information architect? Explain by taking suitable example. (20)

SECTION - B

3. Write a HTML document that shows the results of a survey on a student election campaign. The document should contain a form with radio buttons that allows users to vote for their favorite candidate for the post of Student Union Chairman. The document should contain a table showing list of candidates and the corresponding percentage of votes for each of them. Use attributes to format width, border and cell spacing for the table. (20)

4. How will you create multiple frames inside a form in a HTML page? Explain the use of CSS in a HTML page. (20)

SECTION - C

5. What is session management? What are the different ways of managing the session in a JSP page? (20)

6. What are the transformation processes that produce single XML document as a result from a source XML document and XSLT document? (20)

SECTION - D

7. Create a PHP application that allows user to customize a web page. It should consist of two files. One file asks the user to login and reads from a text file to determine if the user is known or not. If the user is not known a second PHP file is loaded and asking the user to choose their preference for foreground color. (20)

8. Explain the connection establishment procedure of MYSQL using PHP. What is the role of PHP My Admin and how the database is created in MYSQL? (20)

SECTION - E

9. Write short note on following:

   (a) Stateless Vs. Statefull protocol

   (b) Directives in JSP

   (c) Cookies

   (d) JSP Lifecycle

   (e) XML and XPATH

   (f) HTML and CSS

   (g) XSLT

   (h) SGML

   (i) XQUERY

   (j) CGI   (10×2=20)