

IV B.Tech I Semester Regular Examinations, Nov/Dec 2009**WEB TECHNOLOGIES****Computer Science And Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions****All Questions carry equal marks**

1. (a) Develop an HTML document that collects the following information from the user: last name, first name, middle initial, age (restricted to be greater than 17) and weight (restricted to the range of 80-300). Event handlers have to be written for the form elements that collect this information that check the input data for correctness. Messages in *alert* windows must be produced when errors are detected.
(b) Write about the various Objects used in javascript. [8+8]
2. Create a HTML document that has two rows of frames with two frames in each row. The two left frames must occupy 25 percent of the width of the display. The bottom two frames must occupy 40 percent of the height of the display. The top left frame must display heading "Subjects in III B.Tech I Semester" followed by the subjects. The bottom left frame must display the heading "Subjects in III B.Tech II Semester" and the subjects. Each subject in the left frames must be a link to a document that is displayed in the right frame when the link is selected. The documents in the right frames are short descriptions of the subjects. [16]
3. (a) What is BeanInfo Interface? Explain the importance of a BeanInfo Interface.
(b) Create a simple code which utilizes the BeanInfo interface effectively. [8+8]
4. Write a JSP to display the results of a student by accepting studentid in a text box. Results will be maintained in a database table. [16]
5. (a) Explain the Document object model tree structure. Also explain how XML DOM provides effective document manipulation.
(b) Create an XML schema for library information management. [8+8]
6. (a) Explain the method of reading the names and values of parameters that are included in a client request. Illustrate with an example program.
(b) Discuss the methods defined by ServletRequest interface. [8+8]
7. (a) Write a JSP that handles empty form values.
(b) Give a detail note on JSP action used for Java Bean manipulation. [8+8]
8. Write a JSP that allows the user to select an item from a list and to press submit button later prints the item on web page. [16]
