Code No: 07A70502   **R07**   **Set No. 2**

IV B.Tech I Semester Examinations,MAY 2011
WEB TECHNOLOGIES
Computer Science And Engineering
Time: 3 hours   Max Marks: 80
Answer any FIVE Questions
All Questions carry equal marks
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1. Discuss JSP Application design with MVC set up and JSP environment. [16]

2. (a) What are the benefits of using styles compared with placing formatting directly into the text of the Web page?
   (b) What is a stylesheet class?
   (c) Describe the different ways that styles can be added to a page. [5+5+6]

3. Write JDBC program to display the result of any query on a student table in a JTable component. [16]

4. (a) Create a DTD for your daily schedule.
   (b) Write about SAX. [8+8]

5. (a) Explain the following given classes and their usage:
       i. IntrospectionException
       ii. EventSetDescriptor.
       iii. BeanDescriptor
       iv. FeatureDescriptor.
   (b) "EJB is a managed, server-sided component for modular construction of enterprise applications" -Justify this statement and explain the cause. [8+8]

6. Develop a JSP to display one of three pages based on the user choice. Collect the choice from the user in a form of a web page. [16]

7. (a) Explain at least five important features of Object in relation to javascript.
   (b) Write a javascript which must have a paragraph of at least 10 lines of text that describes your college. The paragraph must be centered on the page and have only 20 characters per line. Choose at least three different phrases of this paragraph and make them change font, font style, color and font size when the mouse cursor is placed over them. Each of the different phrases must change to different fonts, font styles, colors and font sizes. [8+8]

8. (a) Make a comparison of servlet and applets.
   (b) "Servlets offer several advantages over Common Gateway Interfaces". Justify. [8+8]

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R07

Set No. 4

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Answer any FIVE Questions
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1. (a) What is produced by the SAX parser?

    (b) What are the advantages of a SAX parser over the DOM parser?

    (c) Explain why XML uses both streaming and tree-based parsing.   [4+7+5]

2. Explain the functionality of javax.servlet package for web servers. Discuss about various classes and interfaces of the package.   [16]

3. (a) Describe the primitive data types that Javascript uses.

    (b) Write a script that reads an integer and determines and displays whether it is an odd or even number.   [16]

4. Discuss the complex mechanism necessary to retrieve the database content from a Java Server page.   [16]

5. (a) Create a HTML document that displays a table of basketball scores at national games in which the team names have their respective team colors. The score of the leading/winning team should appear larger and in a different font than the losing team. Use CSS.

    (b) Discuss the advantages of CSS.   [8+8]

6. (a) Write about Request- Time expressions.

    (b) Explain the concept of scriplets with an example.   [8+8]

7. "A BeanInfo Interface is used by the developer"- show how this statement is justified and explain with an example how BeanInfo serves the purpose.   [16]

8. Java server pages simplify the delivery of dynamic web content. Justify this statement with a help of example program.   [16]

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Code No: 07A70502 | **R07** | **Set No. 1**

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1. Write about the following:

   (a) Bean methods

   (b) Bean properties

   (c) Bean events.   [4+8+4]

2. (a) What is a namespace? Describe how a namespace is created with a relevant example.

   (b) Define an XML schema. Show how an XML schema can be created.   [8+8]

3. Explain JSP scripting components with examples.   [16]

4. Write a note on:

   (a) Native - API, partly JAVA driver

   (b) CreateStatement method

   (c) Primary Key

   (d) CachedRowset.   [4×4]

5. (a) Create a registration form for creating a new savings account in a bank. Include the features like checkboxes, radio buttons and other control widgets.

   (b) What is a frame? What is the advantage of using a frame? Clearly explain the creation of frames with an example.   [8+8]

6. (a) Create a Servlet that displays the current date and time.

   (b) Make a Comparison of JSDK and Apache Tomcat.   [10+6]

7. (a) Describe the various *String* objects used by javascript for string and character processing with illustrations.

   (b) Write a script that inputs several lines of text and a search character to determine the number of occurrences of the character in the text.(*Note*: Don't use *String* object)   [8+8]

8. (a) Write a note on Custom-tag libraries.

   (b) Discuss about usage of JavaBean Component in JSP.   [8+8]

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R07

Set No. 3

IV B.Tech I Semester Examinations,MAY 2011
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Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
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1. (a) What are the different types of lists in HTML? Explain how these lists are created in HTML with suitable examples.

   (b) Explain how a basic table is created using HTML.   [8+8]

2. (a) How does Javascript fare as an object-oriented language? Would it be correct to say that javascript is object-based rather than object-oriented?

   (b) Explain how events are handled in Javascript.

   (c) Write a script that reads an integer and displays whether it is a prime number or not.   [5+5+6]

3. (a) Write about the JSP processing.

   (b) Explain the components of JSP.   [8+8]

4. (a) Explain the core interface provided in javax.servlet.http package.

   (b) How to handle HTTP requests and responses.   [8+8]

5. (a) Clearly distinguish between the DOM approach and the SAX approach.

   (b) Write a javascript that uses the DOM to replace every job description in a table of employee details from "programmer" to "developer".   [8+8]

6. (a) Develop a JSP to detect the web browser.

   (b) Discuss the time and scope of a variable.   [8+8]

7. Write a program to update the salaryRs.6000/- for an employee name like "P. Ramu" using prepared statement.   [16]

8. Take the *TickTock* Bean available in BDK, build an application which controls the *Colors* Bean. Develop the necessary code to exhibit the bound properties of java beans with the above mentioned beans.   [16]

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