R10

Set No: 1

JNT University Kakinada
III B.Tech. II Semester Supplementary Examinations, January/February -2015
ADVANCED JAVA AND WEB TECHNOLOGIES
(Computer Science and Engineering)

Time: 3 Hours   **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
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1.   a) What are the most commonly encountered image type on the web? Which among them do you suggest for different web browsers and why?
    b) Write HTML code to next a second table inside the first table as one of the rows and also accommodate a gif image as background.

2.   a) Explain with example using of variables, constants, Data types and operators.
    b) Explain creating PHP script.

3.   Discuss in detail DOM processing of XML with an example document

4.   Explain the following: i) Bean events.
                            ii) Bean methods.
                            iii) Bean properties.

5.   What do you mean by HTTP GET and POST requests? Explain with example the development of servlet that handles an HTTP GET request.

6.   a) What are the problems with servlets? How JSP solves the problems?
    b) What are the contents of WEB-INF directory? Explain its use.

7.   Write about java.sql.* package in detail

8.   Discuss about
            a) SOAP
            b) UDDI

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1. a) List the differences between Java and Java Script.
   b) Write a script that takes a number and prints whether it is prime or not.

2. What are difference between GET and POST method? How to create a database using PHP.

3. Discuss in detail SAX processing of XML with an example document

4. a) Discuss the highlighting features of Java Bean.
   b) Explain the following classes and their usage:
       i) Indexed Property descriptor
       ii) Introspector
       iii) Property change support
       iv) Property Descriptor.

5. Discuss the use of cookie. Develop and explain a servlet that illustrate the use of cookies.

6. Explain generating dynamic content using scripting elements.

7. Explain in detail the process of accessing a database

8. Discuss about
       a) WSDL
       b) UDDI

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1. What is a style class? Explain in detail the concept of inheritance in cascading style sheet.

2. a) Explain with example encrypting username and password using PHP.
   b) What are the different types of errors in PHP.

3. a) Discuss the areas of web development in which XML has potential.
   b) Explain any four Keywords in a DTD .
   c) List the advantages of XML schema over DTD

4. Explain the significance of the bound property in Java beans. With an example explain the bound properties related to Java bean.

5. What are the lifecycle methods of servlet? Explain in detail the process of building and testing a simple servlet that displays HELLO! in bold type in the browser display area.

6. Explain in detail error handling and debugging in JSP pages.

7. a) Explain JDBC API.
   b) What is a connection pool? How it provides a better performance?

8. Discuss about
       a) SOAP
       b) WSDL

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1. a) Give a detail note on style class.
   b) Write HTML code to use a simple frameset to display two pages at the same time. Use all possibilities.

2. Explain about Creating PHP Script and its running.

3. a) Explain the working of XML processors in detail also mention the purpose of XML processors.
   b) Explain how XLST works with neat illustrations.

4. a) What is a bean development Kit? Also explain the use of JAR file in relation with JAVA beans.
   b) Explain the design patterns for the bean events.

5. What are doGet() and doPost() methods? Develop and explain a servlet that handles an HTTP POST request.

6. a) Explain the anatomy of a JSP page.
   b) What is MVC? Explain JSP application design with MVC.

7. a) What is JDBC? What are its advantages?
   b) What are the application specific database actions?

8. Discuss AJAX. Explain Integrating PHP and AJAX.

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