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CS8651 INTERNET PROGRAMMING

IMPORTANT QUESTIONS AND QUESTION BANK

UNIT-1 WEBSITE BASICS,HTML 5,CSS 3,WEB 2.0

2-Marks

1. 1. Tabulate the difference between internet and intranet?
2. 2. List some of the collaboration tools?
3. 3. Point out the difference between websites and web server?
4. 4. What is web 2.0? Give an example?
5. 5. Predict the benefits of intranet?
6. 6. Assess advantages of internet?
7. 7. Discuss Extranet?
8. 8. Show the structure of HTML5?
9. 9. Tell about difference between HTML and XHTML?
10. 10. Create simple code snippets for inline style sheet?
11.
12.

Part-B

1. Demonstrate in detail the RIA architecture. Give the merits and demerits of also?
2. Summarize the overview of internet technologies?
3. (i) Explain the functionalities of Webserver and Web client in detail. (ii) Express the information provided by URL?
4. (i) Examine the enhanced features in HTML 5.0 with a neat example?
   (ii) Create an XHTML document that marks up your resume?
5. Illustrate the three ways of inserting a CSS to a document with example?
6. (i) Write short notes on Internet, Intranet and Extranet. (ii) Differentiate GET and POST method?
7. Write and discuss an HTML script which creates a web page which should display some of the egg. Colleges in Tamil Nadu in a tabular form with name, address and URL of the web site of the college. A candidate should select the required department which is listed as items from a form. Candidate's selection should be consolidated and displayed finally?
8. (i) State and explain the various HTML elements in detail. (ii) Explain the way in which data can be presented in a tabular from using HTML?
9. (i) Summarize the difference between HTML and XHTML. (ii) Create a webpage using background-image property where the code has to written in XHTML?
10. (i) Explain the working principle of web server with neat sketch. (ii) Compare and contrast between embedded stylesheet and external style sheet?
11. Explain the significance of XHTML with the help of a real time application. Write necessary code snippets to display data in a table?

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12. Compose a briefnotes on each one of the following RIA technologies
    i) AJAX and Flex
    ii) Silverlight and JavaFx

13. Create the HTML5 code for creating a feedback form as shown here. Include comments in code to highlight the markup elements and its purpose. The HTML form should use POST for submitting the form to a program?
    Name*
    Email Address*
    Telephone
    Enquiry*
    Message*

14. Create a form in HTML5 to provide the list of grocery for the month from the list in the website. Create using forms, lables, text boxes, lists. Allow the user to enter his details to get the grocery delivered to his house?

15. Summarize a XHTML program to display data in a table?

UNIT II - CLIENT SIDE PROGRAMMING

2-Marks

1. Evaluate various Java Script Object models?
2. Give any four methods of Date objects?
3. Write the JavaScript methods to retrieve the data and time based on the computer locale?
4. Can you list the different methods defined in document and window object of JavaScript?
5. Name which parser is best in parsing in large size documents. Why?
6. Summarize benefits of using JavaScript code in an HTML document?
7. Point out any two techniques of event programming?
8. Interpret how exceptions are handled in Java script?
9. Write SQL query to find minimum and maximum marks in a table?
10. How to convert text into a JavaScript object using JSON?

Part -B

1. i) Examine variables and data types in JavaScript.
   ii) Give various Operators in JavaScript
2. (i) Describe the control statements in Java.
   (ii) Discuss any two validation functions in java script.
3. Write a Java script to find the Prime number between 1 and 100?
   Write a Java Script to find factorial of a given number?
4. Demonstrate a java script for displaying the context menu?
   Demonstrate a java script to display the welcome message using

the alert whenever button of a html form is pressed?

5. Evaluate how DOM Nodes and Trees can be used? Evaluate the way of Traversing and modifying a DOM Tree?

6. Discuss the concepts of Registering Event handlers? Discuss the concepts of Event Handling?

7. Analyze a web page to create a clock with timing event?

8. Explain the concept of JSON with example?

9. Describe in detail about JSON Objects and Arrays?

10. Analyze about Function files and Http Request with sample program?

11. Analyze the merits and demerits of DOM parser with neat example?

12. Consider a java script and HTML to create a page with two panes. The first pane (on left) should have a text area where HTML code can bet typed by the user. The pane on the left should have a text area where HTML code can be typed by the user. The pane on the right side should display the preview of the HTML code typed by the user, as it would be seen on the browser?

13. Develop a DHTML program to handle the user click event?

14. Formulate a JavaScript program that work with JSON?

15. Summarize about
    (i) SQL Data Definition Commands
    (ii) Data Manipulation Commands

UNIT-3 SERVER SIDE PROGRAMMING

2-Marks

1. What are servlets?
2. List the application of servlets?
3. Summarize the advantages and disadvantages of servlets?
4. Compare GET and POST request type?
5. Sketch the Servlet life cycle?
6. Quote the uses of cookies?
7. Analyze about java scriplet?
8. Define JSP?
9. List any three advantages of java servlet over JSP?
10. Summarize briefly about the interaction between a webserver and a servlet?

Part-B

1. Integrate how servlets work and its life cycle? Explain and develop the Servlet API?

2. Analyze a JavaScript to find factorial of a given number? Differentiate GET and POST method?

3. Demonstrate the Servlet architecture and explain its working principle?

4. Consider a database that has a table Employee with two columns Employee Id and Name. Assume that the

administrator user id and password to access to access the database table are Scott and Tiger. Write a JDBC program that can query and print all entries in the table employee. Make the database using type 2 driver database. driver and connection string jdbc :db.oci?

5. Describe in detail the session handling in serverside programming?

6. Explain about the standard actions in JSP.? Analyze MVC architecture of JSP?

7. Explain in detail about Servlet database connectivity with an example of student database?

8. Demonstrate the procedure of installing and configuring Apache Tomcat?

9. Define HTML and JSP. Use the same and design a scientific calculator?

10. Design a HTML forms by embedding JSP code for submission of a resume to a job portal website with appropriate database connectivity?

11. Evaluate a complete query application for books database using JDBC?

12. Develop a JSP program to display the grade of a student by accepting the marks of five subjects?

13. Explain and write a simple JDBC program? List various JSP scripting components accepting the marks of five subjects?

14. Demonstrate with suitable example for core and formatting tags in JSTL? Demonstrate with suitable example for SQL and XML tags in JSTL?

15. Write a program that allows the user to select a favorite programming language and post the choice to the server. The response is a web page in which the user can click a link to view a list of book recommendations. The cookies previously stored on the client are read by the servlet and form a web page containing the book recommendation. Use servlet cookies and HTML?

UNIT-4 PHP AND HML

2-Marks

1. Define PHP. List the features?
2. List the rules for creating variables in PHP?
3. Name any four built-in functions in PHP?
4. Classify the difference between echo () & print () functions?
5. List any two advantages of XML document?
6. Analyze about Query String in PHP?
7. Define XML parse tree?
8. Assess the data types in XML schema?

9. Evaluate the process of displaying XML document in browser?
10. How would you prepare the steps to get the RSS file on web?

Part-B

1. Describe about the introduction and installation of PHP? Design simple calculator using PHP?
2. Explain about control statements and data types in PHP with example?
3. Create an XML document that marks up various sports and their descriptions. Use XSLT to tabulate neatly the elements and attributes of the document?
4. Illustrate a JSP page that enables the user to input the first name and in response outputs the last name?
5. Create a web server based chat application using PHP. The application should provide the following functions Login, Send message (to one or more contacts) and Receive messages (from one or more contacts)?
6. Write a PHP program that tests whether an email address is input correctly. Test your program with both valid and invalid email addresses.?
7. How do you infer the significant differences between DID and XML schema for defining XML document structures with appropriate example?
8. Explain how you shall carry out String Manipulations using a PHP Program?
9. Design a PHP application for College Management System with appropriate built-in functions and database?
10. Design application to send an email using PHP?
11. Summarize about XML schema and XML Parsers and Validation?
12. Explain in detail about
    (i) XSL and XSLT transformation
    (ii) Comparison of DOM & SAX
13. (i) Compare and contrast RSS & ATOM.
    (ii) Explain in detail about XSL elements
14. (i) List out data types data types of XML
    (ii) Explain about the attributes of XML

UNIT-5 INTRODUCTION TO AJAX AND WEB SERVICES

2-Marks

1. Describe AJAX Control Extender Toolkit?
2. Differentiate AJAX forms with HTML5 forms?
3. Summarize the need of SOAP and show its structure?
4. Can you develop the service end point interface in RPC?
5. Discover an example for web service registry along with its functions?
6. Compare SOAP and HTTP?

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7. Summarize the need for enhancing security in web services?
8. Name the types of indicators along with the definition?
9. Can you illustrate on Complex types?
10. Summarize the steps for empty element?

Part-B

1. Describe briefly about the elements of WSDL?
2. Compare and contrast the additional web application architecture and AJAX Based web application architecture?
3. Give the basic structure of a WSDL and show how they are used to create, publish, test and describe web services?
4. Summarize Ajax Client server architecture in detail?
5. Create an XML Http Request to retrieve data from an XML file and display the data in an HTML table. The data to be retrieved is a collection of stationary items stored in an XML file?
6. Explain the structure of a WSDL document, its elements and their purposes with appropriate examples?
7. Explain in detail about SOAP encoding? Point out the RPC representation model?
8. Discuss the XML Http Request Object with example? Describe about Java web service basics?
9. List out the installation steps of JWSDP? Describe on Simple Object Access Protocol?
10. Summarize on the structure of SOAP? Describe briefly about SOAP & HTTP?
11. Describe briefly about the elements of WSDL?
12. Deduce any two elements of WSDL? Explain the steps for writing web service?
13. Discuss in detail about creating, publishing and testing of web services?
14. Explain in detail with an example of Java Web Services?
15. Analyze various concepts of RPC? Explain the basic concepts behind JAX-RPC?