CS8651 Internet Programming

PART B & PART C IMPORTANT QUESTIONS

Unit I
1. (i) Discuss the basic structure of HTML5. (ii) Write and discuss a program in HTML using image tag, font tag, hyperlink tag.
2. Illustrate the three ways of inserting a CSS to a document with example.
3. (i) Explain the working principle of web server with neat sketch. (ii) Compare and contrast between embedded stylesheet and external style sheet.
4. (i) Describe the core syntax of CSS with the help of some suitable example. (ii) List and explain in detail the types of selector strings.
5. 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.
6. Illustrate the different types of request methods of http. Compare any two http request methods. What do you mean by status code in http?
7. Name all the modules which are used in the current version of CSS. Distinguish between CSS2 and CSS3. What are the uses of an embedded style sheet?

Unit II
1. (i) Write a Java script to find the Prime number between 1 and 100. (ii) Write a Java Script to find factorial of a given number.
2. (i) Describe the control statements in Java. (ii) Discuss any two validation functions in java script.
3. Demonstrate use of JSON. How to convert JavaScript objects to JSON? List the benefits of JSON over X
4. What is the significance and what are the benefits of including 'Use strict' at the beginning of a JavaScript source file?
5. Describe in detail about JSON Objects and Arrays.
6. Analyze about Function files and Http Request with sample program.
7. (i) Evaluate how DOM Nodes and Trees can be used. (ii) Evaluate the way of Traversing and modifying a DOM Tree.

Unit III
1. What are the different phases of Java Servlet Life Cycle ? Illustrate the different functionalities of servlet container.
2. Demonstrate the procedure of installing and configuring Apache Tomcat.
3. Elaborate briefly about JDBC database connection pool. How to setup in Java ? What is difference between type 2 and type 4 JDBC drivers in Java?
4. Explain the use of cookies for tracking for tracking requests with a program.
5. (i) Develop a JSP program to display the grade of a student by accepting the marks of five subjects. (ii) Differentiate GET and POST method.
6. What are the two methods thread can be created in Java ? Explain them each with an example code. Mention the different thread methods.

Unit IV
1. Using Xslt, how would you extract a specific attribute from an element in an Xml document ? When constructing an Xml Dtd, how do you create an external entity reference in an attribute value?
2. **Explain** about control statements and data types in PHP with example.
3. What is spring framework ? What is use of it ? What are the advantages of Spring Framework ?
4. **Summarize** on the following (i) DOM based Parsing. (ii) SAX based Parsing
5. Summarize in detail the XML schema, built in and user defined data types.
6. (i) Compare and contrast RSS & ATOM. (ii) Explain in detail about XSL elements.

Unit V
1. Differentiate between synchronous and asynchronous Ajax requests. How to send an Ajax request in Javascript?
2. What are the Web service features and explain the components of a web service ? How does a web service work ?
3. Illustrate on web services for writing web service client along with the description of WSDL.
4. (i) Deduce any two elements of WSDL. (ii) Explain the steps for writing web service.
5. (i) Demonstrate the building blocks of SOAP.. (ii) Explain the basic concepts behind JAX-RPC.
6. (i) Describe in detail about the AJAX architecture. (ii) List out the call back methods.