Web Technology

1. What are the protocols used in Internet communication?
2. Explain the use of HTTPS used in the Internet. How is this related to security?
3. What is the purpose of <head> tag in HTML What are different tags used in <head> tag? Explain with the help of a suitable example
4. What are different ways to add CSS in a web page? Write a program to add CSS using all the possible ways.
5. What is the use of box properties in a web page?
6. Find out the measures differences between HTML and XHTML?
7. Demonstrate the following using HTML codes.   
   a. Unordered List   
   b. Ordered List   
   c. Definition List   
   d. Nested List
8. Create two links using HTML in which first link will connect to another page the second linl to heading in the same page.
9. Explain the structure of XML. What is the use of DTD in XML?
10. Create a sample code to illustrate types of Style sheets for your web page. Explain with an example
11. Create a web page in which use <DIV> tag, CSS classes and CSS box propertie
12. Develop a web page and add JavaScript using all the possible ways.
13. Write a java script program which shows history and other DOM objects
14. What is the utility of Jquery? Explain with the help of a suitable example.
15. Create a webpage containing 3 overlapping images using HTML, CSS and JavaScript
16. Create a calculator using HTML, CSS and JavaScript
17. Describe benefit of AJAX in a web site. How will you specify handler in AJAX? What are the values of readyState property and their purpose?
18. Write an XML program for three employee information (empno,empname,desgination,salary) using corresponding DTD or XSD. Explain the program. Include attribute (type) at the element empno and attribute (mode) on element “salary”.
19. Enlist the advantages of XML schema over Document Type Definition
20. Develop and interpret a XHTML file that includes Javascript script for the  
    following problems:  
    a) Input: A number n obtained using prompt box  
    Output: The first n Fibonacci numbers  
    b) Input: A number n obtained using prompt  
    Output: A table of numbers from 1 to n and their squares using alert
21. Write an XML for person information and access the data using XSL. How do we write XML schema?

22. Explain jQuery with a suitable example

1. What is the purpose of <Java Server Pages (JSP):set Property >?
2. Explain the use of JSP/ Servlet in web application. Write down the directory structure of the application using a servlet
3. What is the use of JDBC drivers? Explain different types of JDBC drivers
4. How is HTML 4.0 different from HTML 5.0.
5. What is the use of JDBC drivers? Explain different types of JDBC drivers.
6. Compare iteration and recursion using Javascript
7. Write a Servlet which receives initialization values from web.xml
8. Construct an HTML code using various text formatting tags
9. What is the utility of Spring boot in web programming? Explain its working
10. What is the use of Spring and Spring Boot in web application. Explain with a suitable example
11. Write a Servlet/ Java Server Pages (JSP) program to validate user login. User data is available in database
12. What is the utility of Spring in web programming? Explain
13. State with an example the various way to add JavaScript and CSS to HTML.
14. Elaborate Document Object Model (DOM) with different JavaScript objects. Write a program to show system information and navigation information
15. Write a Java Server Pages (JSP) program to maintain session using session object.

40.Write a program of Servlet/ JSP in which pass three input using form element Name, Age and Marks. Use cookie / session objects to maintain session and send data to third page and print all.

1. Explain MVC architecture in web application. Explain with a suitable example
2. Difference between Servlet Config vs. Servlet Context
3. How do we use custom tag in Java Server Pages (JSP)? Formulate steps to create a custom tag.

Create an HTML form in which accept marks of 5 subjects and submit marks to a servlet. Calculate the division of the students based upon following criterion

Marks >= 60 First Division

Marks <60 && >= 45 Second Division

Marks <45 && > 33 Third Division ,Marks < 33 Fail