Q.1  a. What are advantages and disadvantages of Java Sockets? Discuss.
    b. Compare and contrast the features of HTML, DHTML and XML.
    c. Write a well form schema in XML for the payroll system of any organization.
    d. How does Cell Padding differ from Cell Spacing? Explain with suitable example.
    e. How does the Application server handle the JMS Connection?
    f. Compare and contrast the Ajax and JavaScript.
    g. What is the advantage of using Entity bean for database operations over directly using JDBC API to do database operations? When one should be used over the other?  

Q.2  a. Discuss the limitations of UDP protocol. Write program for developing Date-Time server and client by using DatagramPacket and DatagramSocket class.
    b. What is EJB? How many different types of EJB components are available?

Q.3  a. What is DTD? How is it useful for validating XML? Explain with the help of an example.
    b. Describe the life cycle of state full session bean with neat and clean diagram.

Q.4  a. Write program for developing server by using Socket and ServerSocket class of TCP/IP protocol.
    b. What is the use of CSS in DHTML? Explain the methods of using CSS with HTML. Write a suitable program to demonstrate.
Q.5  a. How do you create your AJAX functionality? Explain. (9)

    b. List and describe the advantages of Application Servers. Compare Application server with web server. (9)

Q.6  a. What is difference between custom JSP tags and beans? Discuss. (9)

    b. What are the main parts of JMS applications? Describe. (9)

Q.7  a. Write a script using Javascript that checks the given input for a valid name, password length more than 6 characters and age field in the range of 1 to 99. Also write the appropriate HTML code to implement this script. (10)

    b. Write short notes on: XSL, XSLT, SAX and DOM Parser. (4 × 2)