

ALCCS – NEW SCHEME

Time: 3 Hours

AUGUST 2012

Max. Marks: 100

PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE:

- Question 1 is compulsory and carries 28 marks. Answer any FOUR questions from the rest. Marks are indicated against each question.
- Parts of a question should be answered at the same place.

- 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?
(7 × 4)
- Q.2**
- a. Discuss the limitations of UDP protocol. Write program for developing Date-Time server and client by using DatagramPacket and DatagramSocket class. (9)
 - b. What is EJB? How many different types of EJB components are available? (9)
- Q.3**
- a. What is DTD? How is it useful for validating XML? Explain with the help of an example. (9)
 - b. Describe the life cycle of state full session bean with neat and clean diagram. (9)
- Q.4**
- a. Write program for developing server by using Socket and ServerSocket class of TCP/IP protocol. (9)
 - b. What is the use of CSS in DHTML? Explain the methods of using CSS with HTML. Write a suitable program to demonstrate. (9)

Code: CT51**Subject: WEB TECHNOLOGY**

- 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)