

## ALCCS

Time: 3 Hours

JUNE 2015

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 technologies we use in DHTML? Explain their significance in DHTML application?
  - b. Define a socket? How read and write is performed using sockets?
  - c. What is trivial file transfer protocol? Explain briefly.
  - d. Define DTD (Document Type Definition). Explain DTD and schema.
  - e. Which are the two methods used for cross domain Ajax calls? What is JSON in Ajax?
  - f. What is the role of the JMS provider? What are the components of JMS?
  - g. Differentiate 'Stateful Session' from 'Entity Bean'? (7×4)
- Q.2**
- a. Write a UDP client server program using Java. (9)
  - b. Write a java program for Session tracking a hit count. (9)
- Q.3**
- a. Write a simple XML file you could use for a slide presentation. (9)
  - b. What is XSL? Define CSS and XSL. How do you display XML with XSLT? (9)
- Q.4**
- a. What are the advantages and disadvantages of Ajax? (9)
  - b. Write an Ajax code to retrieve header information. (9)
- Q.5**
- a. What are the different types of EJB? (9)
  - b. What are the main classes which are used in struts application? What is the difference between DispatchAction and LookupDispatchAction in Struts Framework? (9)

- Q.6** a. Explain the Role of the JMS Provider? What is the difference between JMS and RPC? Explain the use of Message object. (9)
- b. Write a simple JMS class that Creates and then reads a StreamMessage and a BytesMessage. (9)
- Q.7** a. How do you set cookies in the JSP? How to read cookies with JSP? How to delete cookies with JSP? (9)
- b. Write a JSP Filter that would print the clients IP address and current date time each time it would access any JSP file. (9)