

ALCCS – OLD SCHEME

Time: 3 Hours

AUGUST 2013

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.

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- Q.1**
- Write short note on cookies.
 - What are the advantages and disadvantages of client server model?
 - What are the differences between XML and SGML?
 - What is the role of DTD in XML?
 - What are the differences between programming and scripting languages?
 - What are the difference between servlet's doGet() and doPost() method?
 - What are the different features of java bean? (7×4)
- Q.2**
- What is JavaScript? What are the properties of JavaScript? Create a JavaScript based web page to call a function on button click. (2+3+4)
 - What is DNS? How does DNS work? How web server is related with DNS? (3+3+3)
- Q.3**
- What is HTTPS? How does the HTTPS works? What are the differences between HTTP and HTTPS? (3+3+3)
 - How is a web server different from a proxy server? (4)
 - Describe Virtual Private Network. (5)
- Q.4**
- What are pros and cons of an applet? Create an applet program to pass a value into an applet. (4+5)
 - What is a socket? Describe different types of sockets. What are the applications of socket programming? (3+3+3)

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- Q.5** a. What are the differences between RMI and CORBA? Create an application using RMI. (4+5)
- b. What are the differences between Statement and PreparedStatement interface? Create a JDBC program to update data into database using PreparedStatement and type – 1 driver. (4+5)
- Q.6** a. What is software component model? Discuss different types of client side and server side component model. (3+3+3)
- b. What is JSP? Why JSP is slower than servlet? Create a JSP program to access a java bean. (3+3+3)
- Q.7** a. Why session management is necessary? Discuss in detail about several session management techniques. (3+6)
- b. What is the role of servlet in web application? What are the differences between HttpServlet and GenericServlet? Create the structure of deployment discripiter web.xml. (3+3+3)