

ALCCS – OLD 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 **(7 × 4)**

- Discuss difference between Application and Applet.
- What are the different ways for session tracking?
- What are the steps involved in establishing a JDBC connection?
- What are the basic steps to write client-service application using RMI?
- How does WML differs from HTML?
- What do you understand by servlet mapping?
- What is a Java Bean and Bean Development Kit (BDK)?

Q.2 **(9)**

- Explain HTTP Protocol? What is the purpose of HTTP tunneling? **(9)**
- Explain VPN? What are the different types of VPN? What are the different authentication methods used in VPNs? **(9)**

Q.3 **(9)**

- What is XML? What are the Features of XML? Why is XML so popular? Describe the logical structure of XML. **(9)**
- What is DHTML? What are the features of DHTML? Which browsers support DHTML and how will non-supporting browsers handle DHTML? Describe how DHTML work with JavaScript with suitable example. **(9)**

Q.4 **(9)**

- Describe applet life cycle and also the different tags that support an applet to embed in a web page. **(9)**
- Explain with suitable example socket programming using UDP. **(9)**

Q.5 **(9)**

- Explain the architecture of WAP. **(9)**

Code: CS481 Subject: ADVANCED JAVA & INTERNET TECHNOLOGY

- b. Explain the steps to create RMI-based clients and server. Explain the various methods of registering and gaining access to the Remote Object. (9)
- Q.6** a. What is JDBC? Explain the basics components of JDBC. (9)
- b. What are the different JDB drivers available? What is the fastest type of JDBC driver? (9)
- Q.7** a. Difference between JavaBeans and Enterprise JavaBeans. (6)
- b. What is EJB server? What are the EJB Components? Write Steps to develop EJB Environment. (9)
- c. Explain the life cycle of servlet. (3)