

Tribhuvan University
Institute of Science and Technology
B.Sc. CSIT, 7th Semester Model Question Paper

Subject: Advance Java Programming

Course No.: CSC-403

Time: 3 Hrs.

FM: 60

PM: 24

Section A

Attempt all Questions. [8×5=40]

1. Why concept of interface is important? How multiple-inheritance is supported by interface? Explain with suitable example.
2. When the exception handling constructs throws and finally is important? Explain both of them with suitable example.
3. Write a program to read ID, Name, address, salary of twenty students from keyboard and write in into the file "emp.doc". Again read records of the employees and display records of those students whose salary is more than 25000.
4. Why adapter classes are important? Compare it with listener interface with suitable example.
5. Write a program using RMI to find sum and difference of two numbers. Methods sum and difference should to invoke from some remote machine.
6. How java beans are different form java classes? Explain bean writing process.
7. Write a java program using TCP that enables chatting between client and server.
8. What is internal frame? Write a program that displays an internal frame within some parent frame.

Section B

Attempt all Questions. [10×2=40]

9. Write a program to Design an interface containing fields User ID, Password and Account type, and buttons login, cancel, edit by mixing border layout and flow layout. Add events handling to the button login and cancel such that clicking in login checks for matching user id and password in the database and opens another window if login is successful and displays appropriate message if login is not successful. Clicking in cancel terminates our program.
10. Compare and contrast between Servlets and Java Server pages? How web server responds to servlets and JSP page? Write down sample example. Handling HTTP Request and Response using servlets.