Tribhuwan University
Institute of Science and Technology

2071

Advanced Java Programming

Full Marks : 60
Pass Marks : 24
Time : 3 hours

New Course

Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Section A (2*10=20)

Attempt any two questions.

1.) What is multithreading? Why is it important to develop computer programs? Discuss life cycle of thread in detail.   (2+2+6)
2.) Write a program using swing components to find simple interest. Use text fields for inputs and output. Your program should display the result when the user presses a button.   (10)
3.) What is servelet? Differentiate it with JSP. Discuss life cycle of servelet in detail.   (2+3+5)

Section B (8*5=40)

Attempt any eight questions :   (8*5=40)

4.) How do you achieve multiple inheritance in java? Discuss.   (5)
5.) What is JDBC? Discuss different driver types if JDBC.   (1+4)
6.) Explain the importance of exception handling with suitable example.   (5)
7.) Discuss group layout with suitable example.   (5)
8.) Write a simple java program to read from and write to files.   (5)
9.) What is TCP socket? Differentiate it with UDP socket.   (2+3)
10.) Discuss any five event classes in java.   (5)
11.) What is java beans? Differentiate it with java classes.   (1+4)
12.) What is RMI? Differentiate it with CORBA.   (2+3)
13.) Write a simple JSP program to display "Tribhuwan University" 10 times.   (5)