

Tribhuwan University
Institute of Science and Technology

2070

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 interface? How can you use the concept of interface to achieve multiple inheritance?
Discuss with suitable example.
- 2.) Write a program using swing component to multiply two numbers. Use text fields for input and output. Your program should display the result when the user press a button.
- 3.) What is RMI? How can you use RMI to develop a program that runs in different machine?
Discuss with suitable example.

Section B

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

- 4.) What is JDBC? How do you execute SQL queries in JDBC?
- 5.) What is java beans? How is it different from java class?
- 6.) Write a simple java program to read from and write to files.
- 7.) Discuss different methods used in life cycle of servlet.
- 8.) Discuss border layout with suitable example.
- 9.) Why multithreading is important in programming? Discuss .
- 10.) Discuss any 5 exception classes in java.
- 11.) Discuss the role of event listeners to handle events with suitable example.
- 12.) What is socket? How can you communicate two programs in a network using TCP Socket?
- 13.) Write a simple JSP program to display "Lalitpur, Nepal" 10 times.