

**2069**

**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 are exceptions? Why is it important to handle exceptions ? Discuss different keywords that are used to handle exception. (2+2+6)
- 2.) Write a program using swing components to add two numbers. Use text fields for inputs and output. Your program should display the result when the user presses a button. (10)
- 3.) What is java beans? Differentiate it with java class. Discuss bean writing process with suitable examples. (2+2+6)

**Section B (8\*5=40)**

Attempt any eight questions .

- 4.) Discuss the use of interfaces to achieve multiple inheritance. (5)
- 5.) Discuss the use of multithreading with suitable example. (5)
- 6.) What is JDBC? How do you execute SQL statements in JDBC? (2+3)
- 7.) Discuss grid layout with suitable example. (5)
- 8.) Discuss any five classes to handle files in java. (5)
- 9.) What is JSP? Differentiate it with servlet. (2+3)
- 10.) What is UDP socket? Differentiate it with TCP socket. (2+3)
- 11.) How can you handle events using adapter classes? Discuss . (5)
- 12.) What is RMI ? Discuss architecture of RMI in detail. (1+4)
- 13.) Write a simple JSP program to display "Kathmandu, Nepal" 10 times. (5)