

A 218

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Fifth Semester

Computer Science and Engineering

CS 058 — ADVANCED JAVA PROGRAMMING

Time: Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is an event? Give any Two examples.
2. How is byte code different from machine code?
3. What is a linear structure? Give an example.
4. How do you define a tree in Java?
5. How does RMI differ from local procedure call?
6. What is a Java Bean? How do you create it?
7. What is a multimedia database?
8. Write a Java code to connect a database.
9. What is a JAR file?
10. How does Swing components different from AWT components?

PART B — (5 × 16 = 80 marks)

11. (i) How are events handled in Java? Explain with examples. (8)
(ii) What are threads? How are they created in Java? Write a program to illustrate how multiple threads can be used. (8)
12. (a) (i) Write a program to create a List. Illustrate
(1) Addition (2) Deletion of elements in a list. (8)
(ii) Write a program to create a binary tree and perform inorder and pre order traversal on binary trees. (8)

Or

(b) (i) Write a program to sort a set of names. (12)

(ii) Write a short notes on ordered structures. (4)

13. (a) What are the properties of Bean? Explain them with examples. (16)

Or

(b) (i) Describe in detail RMI architecture. (10)

(ii) What are the design issues to be considered in developing distributed applications? (6)

14. (a) Describe JDBC principles. What are the methods used to access database? Write a program to illustrate the use of such methods. (16)

Or

(b) (i) How do you access multimedia databases? Write a Java program to illustrate the procedure. (8)

(ii) Write a Java program to read the roll number of a student and to display the name and marks of the student. Assume roll number, name and marks of a student are stored in a database. (8)

15. (a) Write a Java programming using Swing to implement the following interface.

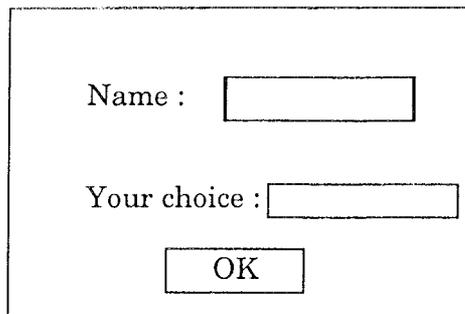
Name :

Which of the following do you like?

(1) When OK button is clicked, the following interface should be displayed.

(4)

(16)



Name :

Your choice :

(16)

Or

- (b) How does a scripting language differ from a programming language?
Write a Java script to display a digital clock. The clock should display the
time and have options to set/reset alarm. (16)