



Code No. :5446/N

FACULTY OF INFORMATICS
B.E. 2/4 (IT) II Semester (New) (Main) Examination, May/June 2012
OBJECT ORIENTED PROGRAMMING USING JAVA

Time: 3 Hours]

[Max. Marks :75

Note : Answer *all* questions from Part A. Answer *any five* questions from Part B.

PART – A

(10 × 2½ = 25)

1. What are the differences between instance variables and class variables (static variables) ?
2. What is an abstract class ? Can an abstract class have constructors ?
3. What is the difference between checked and unchecked exception ?
4. What is a thread ? How can the priority be set for a thread ?
5. What are the main differences between vector class and ArrayList class in Java ?
6. What are the differences between byte streams and character streams in Java ?
7. What is the order of method invocation in an applet ?
8. How are the elements of a border layout organized ?
9. When is the Action Event generated ?
10. What are packages ? How are they created ?

PART – B

(10 × 5 = 50)

11. Write a Java program for sorting a list of strings in ascending order.
12. Write a Java program that searches a file for a string. The string and the file name are passed as command line arguments.
13. Write a Java program for handling mouse events.



14. Write a Java program that illustrates how parameters can be passed to an applet.
15. Write a Java program for creating two threads. One thread displays a message 5 times and another thread displays a character 5 times. Use any one method for creating threads.
16. Explain the difference between method overloading and method overriding in Java with suitable example Java programs.
17. Compare object oriented and procedure oriented programming paradigms, listing the advantages and disadvantages of each.