

**FACULTY OF ENGINEERING**  
**B.E. 2/4 (CSE) 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

(25 Marks)

- |  |   |
|--|---|
| 1. Define object oriented development.                         | 3 |
| 2. What is a package ?   | 2 |
| 3. What are the different ways of defining constants in Java ? | 2 |
| 4. Differentiate string and string buffer.                     | 3 |
| 5. What are iterators ?  | 2 |
| 6. What is wrapper class ?                                     | 3 |
| 7. List the layout managers.                                   | 3 |
| 8. Differentiate label and text field.                         | 2 |
| 9. List the byte stream classes.                               | 3 |
| 10. What is serialization ?                                    | 2 |

## PART – B

(50 Marks)

- |  |   |
|--|---|
| 11. a) What is type conversion and casting ? Explain with example. | 5 |
| b) What is an interface ? Give example.                            | 5 |
| 12. a) What is synchronisation ? Explain with example.             | 5 |
| b) Write a program to create and use user defined exception.       | 5 |



13. a) Write a program to read two arrays A and B and find  $A \cup B$ . 5  
b) Explain map interface with an example. 5
14. a) Write a program for keyboard event handling. 6  
b) Write a program to display image as label and two text fields to read two numbers. 4
15. a) Write a program for writing objects into a file. 5  
b) Write a program for reading from console and write into console. 5
16. a) Explain the significance of the final(), super and static with example. 6  
b) Explain the Garbage collector. 4
17. Discuss the following : 10  
a) String tokenizer  
b) Iterator  
c) Abstract class  
d) Comparator.