FACULTY OF INFORMATICS
B.E. 2/4 (IT) II – Semester (Main) Examination, June 2014

Subject : OOP 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	What are the differences between interface and abstract class?	2
2	What is "finally" block? When and how it is used?	3
3	What is the difference between throw and throws?	2
4	What is the final variable? Can you define a final variable with out supporting its value.	3
5	What is multithreading? What are two different ways to create multithread program?	3
6	What is the difference between Array List and vector?	2
7	What is event handling? Give different event handling classes.	2
8	List three UI components of AWT and their classes and constructors.	3
9	What is the difference between Iterator and List Iterator?	3
10	Explain the "for each" loop with an example.	2

PART – B (50 Marks)

11 a) What is polymorphism? Differentiate between compile time and runtime polymorphism with the help of complete program.   5

  b) What is encapsulation? Explain with the help of example program.   5

12 a) Write a program to input three integers through keyboard and print largest among them.   6

  b) What is the difference between sleep the suspend?   4

13 What is thread synchronization? Explain with suitable program.   10

14 a) What is the Java collections API? Explain.   7

  b) What are different ways to iterate over a list.   3

15 a) Explain the AWT component classes with suitable example program.   6

  b) Explain any two container classes in AWT.   4

16 a) Write a program to list all the files and directories contained in a directory given as command line argument.   5

  b) Explain the following classes with suitable example.
     i) Buffered Reader   ii) File Input Stream   iii) print Writer   5

17 Write short notes on the following :   10
   a) String Tokenizer   b) Applet   c) Checkbox Group

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