FACULTY OF ENGINEERING

B.E. 2/4 (CSE) II-Semester (Supplementary) Examination, December 2010 OBJECT ORIENTED PROGRAMMING USING JAVA

Time: Three Hours] | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1/1/2 | 1

[Maximum Marks: 75

Note: Answer all questions of Part A. Answer five questions from Part B.

PART—A (Marks: 25)

- 1. What is the result of the Java expression (17.0/0.0)?
- 2. Suppose a, b are two integer variables, what does the following Java code fragment do?

 $a = a \wedge b$

 $b = b \wedge a$

 $a = a \wedge b$

- 3. Which is the base class for all events?
- 4. What is the difference between a Component and a Container?
- 5. How many catch clauses can a try/catch statement contain?
- 6. What is the difference between an Iterator and a List-Iterator?
- 7. What is the purpose of any Java.i₀-class that contains the word Buffer in its name?
- 8. What is the difference between start () and run () methods of a thread?
- 9. What is the difference between public and default access levels of members of a class?
- 10. What is the difference between capacity and size of a vector class?

PART—B (Marks: 50)

- 11. (a) Explain the usage of final keyword in different contexts.
 - (b) Write a program to implement complex number class with the following methods:
 - (i) addition (ii) subtraction (iii) multiplication of two given complex numbers.
- 12. (a) Is main () a class method or instance method? Explain your answer.
 - (b) Write a Java program to read 'n' numbers from console and print their sum and average.
- 13. (a) What are different ways of creating a thread? Give examples.
 - (b) What is the difference between a String and String Buffer class? Explain with example.

Contd.

14.	(a)	Use comparator interface in collecting framework	to sort a list of names in ascending order.
	(b)	Describe the usage of Iterator interface in collecti	ing framework.
15.	(a)	Write a Java program to print last n lines of a giv	ven text file.
	(b)		e and read serializable directs to and from
16.	(a)	Write a program to display "hello world" in a w	vindow using AWT classes. Use adapter
	(b)	What is the difference between paint () and repa	wint () methods ?
		rite short notes on:	ant () medious ?
	(a)	Applet life cycle	
	(b)		
	(0)	meetaces and abstract classes.	
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