



SE-8272

**B. E. III (Sem. - V) (Computer Eng.) Examination**  
May / June - 2011

**Object Oriented Programming With Java**

Time : 3 Hours]

[Total Marks : 75

**Instructions :**

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य बपवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
B. E. 3 (Sem - 5) (CE)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
Object Oriented Programming With Java		<input type="text"/>	
Subject Code No. : 8 2 7 2		Section No. (1, 2,.....) : Nil	
		Student's Signature	

- (2) Figures to the extreme right indicate maximum marks.  
(3) Support your answers with necessary diagrams.  
(4) Assume suitable data, when necessary.

- 1 (a) (1) Reason, why main() method is public and static. 2  
(2) How to get a new date object which comes after 15 days of today's date. 2  
(3) Explain pass by reference in java. 2  
(4) Write a method name to check whether all elements of list1 or there in list2. 1  
(5) Differentiate between method overloading and overriding. 1  
(b) Explain exception in Java. Write a program to explain exception handling for Arrayindex Out Of Bounds Exception. 7

OR

- (b) Explain ways of handling exception in Java. Write a program to handle throw exception. 7
- 2 (a) Write a program to demonstrate what if both parent and child have same class variable and method. Which value of the variable will be taken on taking the object of subclass and superclass and explain same for method. 8

- (b) Explain the concept of multilevel inheritance in java and write a program to achieve the java. **7**
- OR**
- (b) Explain the concept of generics in java using program. **7**
- 3** Write any two of the following : **10**
- (1) Enlist and explain ways to achieve polymorphism in Java.
  - (2) Write a Java program to explain concept of abstract class.
  - (3) Write a program to validate email address and birthdate.
- 4** (a) Fill in the blanks : **5**
- (1) \_\_\_\_\_ is the Super class of ActionEvent class.
  - (2) \_\_\_\_\_ is the Super class of all java classes.
  - (3) Java uses \_\_\_\_\_ event model.
  - (4) \_\_\_\_\_ is the first method that is being executed of an applet.
  - (5) To create a thread we need to implement \_\_\_\_\_ interface.
- (b) Given a statement, say whether it is True/False : **5**
- (1) Applets are Window based programs.
  - (2) To wait for a thread to finish is Alive() method is used.
  - (3) Reader is the one of the Character Stream Class.
  - (4) AWT stands for Any Window Toolkit.
  - (5) Java.lang is the Default package in Java.
- (c) What is the difference between applet and application ? Describe the applet life cycle in detail. **5**
- 5** (a) What do you mean by LayoutManager ? Explain any one LayoutManager in detail. **5**
- OR**
- (a) Explain Exception Handling Mechanism of Java. **5**
- (b) What is Multithreading ? Explain the Thread Life Cycle in detail. **5**
- OR**
- (b) Write a Java program that takes one command line argument which specifies the file name. Your program should display whether it is a file or a directory, is it read only, is it write only, is it hidden and length of the file. **5**
- 6** Attempt the following : (any one) **10**
- (1) Write a java program that implements the Concept of Queue Data Structure.
  - (2) Create an applet that handles all the MouseEvents.