**Reg. No. \_\_\_\_\_\_\_\_**

**Karunya University**

**(Karunya Institute of Technology and Sciences)**

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

**Supplementary Examination - June 2011**

**Subject Title: PROGRAMMING IN JAVA Time: 3 hours**

**Subject Code: 09CS204 Maximum Marks: 100**

#### **Answer ALL questions**

**PART – A (10 x 1 = 10 MARKS)**

1. Define JVM.

2. How is an array declared in Java?

3. Define Class.

4. What is the major advantage of inheritance?

5. Define Thread.

6. What do you mean by autoboxing?

7. What method is used to convert String into ‘int’ data type?

8. Whether ‘String’ is an Object or not?

9. Define Event.

10. What stands for AWT?

**PART – B (5 x 3 = 15 MARKS)**

11. Distinguish between Class and Structure.

12. Distinguish between Package and Interface.

13. List out the different types of Thread constructors.

14. Discuss on Socket.

15. Discuss on any three methods in Window Listener.

**PART – C (5 x 15 = 75 MARKS)**

16. a. Write on overview of Java. (9)

b. Write a Java program to print a set of Even numbers and its average. (6)

(OR)

17. a. What are the different types of Conditional Statement available in Java? (6)

b. Write a Java program to calculate Electricity Bill for the given unit. (9)

18. Define inheritance. What are the different types of inheritances available in Java? Write a Java program to process Multi-level inheritance.

(OR)

19. Create a Package for processing Students Mark Statements in Java.

20. Explain how Multiple Thread can be handled in Java with suitable example.

(OR)

21. Explain on Inter Thread communication with suitable Java Code.

22. Write an Applet program to display two different images consecutively.

(OR)

23. Write a Java program to chat between Client and Server.

[P.T.O]

24. Write a Java Program to draw a set of lines using Mouse event.

(OR)

25. Explain the various Layout managers with suitable example.