



SC-4334

M. C. A. (Sem. IV) Examination

April / May - 2011

Paper : 404 - Java Programming  
(New Syllabus)

Time : 3 Hours]

[Total Marks :70

**Instructions :**

(1)

नीचे दशांशवैक निशानीवाणी विगतो उतरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination : M. C. A. (Sem. 4)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject : Paper : 404 - Java Programming (New)	<input type="text"/>
Subject Code No. : <input type="text" value="4"/> <input type="text" value="3"/> <input type="text" value="3"/> <input type="text" value="4"/> Section No. (1, 2,.....): <input type="text" value="Nil"/>	

1 Attempt any two : 14

- Compare object oriented features of C++ and Java.
- Discuss method overloading with appropriate example.
- Discuss similarities and differences between abstract class and interface.

2 Attempt any two : 14

- Write a note on garbage collector. Also explain gc ( ) method.
- Explain event handling model in Java with proper example.
- Explain exception handling with suitable example.

3 (a) How can you create and handle thread in Java ? 7  
Explain with example.

OR

(a) What is layout manager ? Explain various layout managers in brief. 7

(b) With diagram, explain lifecycle of a Java applet. 7

- 4 Attempt any **two** : 14
- (a) Discuss properties and methods of InetAddress class.
  - (b) Discuss AWT class hierarchy. Explain any two AWT classes.
  - (c) Write a note on inter-process communication in Java.
- 5 (a) Write a Java program to read a binary file and 7  
calculate the number of consonents, vowels, digits and  
other characters in the file. Store the output in  
another binary file.
- (b) Write a Java applet for simple interest calculation. 7
- OR**
- (b) Explain predefne stream variables in System class. 7
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