

Code :9F00305

MCA III Semester Regular Examinations, January 2011
JAVA PROGRAMMING
(For students admitted in 2009-2010 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

1. Explain:

- (a) Role of JVM
- (b) Garbage collection in Java
- (c) Parameter passing techniques

2. (a) How can you prevent Inheritance? Explain with an example program.
(b) Write a program to extend an interface in Java.

3. By giving examples explain about various inner classes in Java.

4. (a) With an example program explain how to create array list and operations on array list.
(b) Write short notes on Java.util package.

5. (a) Give an account on random access files.
(b) Write a Java program for client/server interaction by using sockets.

6. (a) Briefly explain about Exception hierarchy.
(b) Explain about:
 - i. Thread priorities
 - ii. Daemon threads

7. (a) Differentiate AWT and Swing components.
(b) Write a detailed notes on layout managers.

8. (a) List out life cycle methods of an applet and write a program to pass parameters to an applet.
(b) Write a short notes on Delegation event model.
