

ROLL NO.

**M.Sc. IT (IV Semester)
Examination 2012
MIT 2003
Advance Java Programming**

Time : 3 Hours

Maximum Marks : 60

Note : The question paper has been divided in three sections – A,B and C . Answers the questions as per instructions given in each section .

Section –A

(Long Answer type questions)

Answer any 2 questions . Each question carries 15 marks .

(2* 15 = 30)

1. (a) Write the features of Java language and justify each .

(b) In Java how you will implement polymorphism , show with examples and also write the use of interfaces .
2. (a) What are java exceptions , write about different types of exceptions and also show the use of exception handling in a Java program.

(b) What are file stream , explain all file streams with suitable examples .
3. (a) Explain how packages defined in java , also show the designing of user defined packages .

(b) What are servlets in Java , show the life cycle of a servlet and design one simple servlet in java .
4. (a) What are java beans , how you will create a bean and how you can use a bean in JSP page , write the program .

(b) Define multithread model and write an animation program using applets and threads .

Section –B

(Short Answer type questions)

Answer any 4 questions . Each question carries 5 marks . (4*5 = 20)

1. Write a AWT program to add two numbers .
2. Write a program to show the use of thread priorities .
3. Use HTML applet tag to use an applet in a HTML file .
4. Use Java AWT graphics classes to draw a circle and print hello inside the circle .
5. Design a simple JSP page to display current date and time from system .
6. Write steps to install TOMCAT server in your machine .
7. What are XML file , show the use of XML in JSP pages .
8. What is session bean , explain with example .

Section –C

(Objective Answer type questions)

Answer all questions . Each question carries 1 marks . (1 *10 = 10)

Write true / false against the following

1. Java is a object based language .
2. JVM is a part of JSP web pages.
3. XML used to display data base type records in web pages.
4. A webserver store the servlets designed in java.
5. Beans are dynamic java components.
6. Byte a valid data type in java.
7. File streams are use to connect with data base
8. JDBC is Oracle data base driver.
9. In Java you can use operator overloading .
10. Generic classes are part of Java.