

MAY 2012

**P/ID 17463/
RCN/PCAP**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) List the characteristics of Java.

Or

(b) Explain the concept of Arrays in Java with examples.

2. (a) What is Constructor? What are the types? Give an example.

Or

(b) Define abstraction? How is it differ from interface.

3. (a) Explain Thread. How to implement Thread in Java?

Or

(b) Explain synchronization of Thread in Java with suitable example.

4. (a) Write a program in Java to find whether the size of a given file is less than 50 bytes or not. And if it is less, add characters to make it 50 bytes.

Or

- (b) Discuss on java.util package.

5. (a) How to implement UDP in Java? How UDP differ from TCP/IP?

Or

- (b) What is border layout? Write a Java program which creates border layout and adds two text boxes to it.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Write a program in Java which finds the sum of the two arrays given below,

A = 1 2 3 4

2 3 4

3 4

B = 4 5 3 6

4 7 7

5 3

Make necessary assumptions, if any.

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7. Explain OOPS concepts and compare it with Procedure oriented programming.
8. Define Package. How to create user defined Package in Java? Explain.
9. Discuss on String functions. Write a program which appends the string “programming “, to the string “Java”.
10. What is an exception? How exceptions are handled in Java? Explain with example.
11. Write a program in Java which reads two real numbers, finds the sum of these two numbers and prints the real and imaginary part of this sum separately.
12. What is TCP/IP socket? Explain the use of a TCP/IP socket through an example.
13. Give the syntax and use of the following methods.
 - (a) GetName ()
 - (b) GetParent ()
 - (c) GetPath ()
 - (d) ReadLine()