

Seat No.	
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B.C.A. (Part - III) (Semester - VI) Examination, April - 2014**JAVA PROGRAMMING (Paper - 603)****Sub. Code: 50070****Day and Date : Thursday, 10-04-2014****Total Marks : 80****Time : 3.00 p.m. to 6.00 p.m.****Instructions : 1) Q. No. 8 is compulsory.****2) Solve any Four questions from Q.No. 1 to Q.No. 7.****3) All questions carry equal marks.**

Q1) a) Write syntax and explain branching statements used in Java with example. [8]

b) Explain This keyword. [8]

Q2) a) What is constructor? Explain its types. [8]

b) Explain concept of abstract class with suitable example. [8]

Q3) a) What is an inheritance? Explain single verses multiple inheritance. [8]

b) Write difference between Java and C++. [8]

Q4) a) Describe exception handling in Java. [8]

b) What is mean by garbage collection? [8]

Q5) What is an interface? Explain it with suitable example. [16]

Q6) a) What is data type? Explain various data types used in Java. [8]

b) Write a program having student as base class and marks as child class. Calculate total marks and percentage using single inheritance. [8]

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Q7) a) Write a program to calculate area of square, circle and rectangle using method over loading. **[8]**

b) Explain Super keyword with example. **[8]**

Q8) Write short notes on [Any four] : **[16]**

- a) Keywords.
- b) Final keyword.
- c) Method overloading.
- d) Class and objects.
- e) Access specifier.
- f) For loop.

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