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| Seat No. | |
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B.C.A (Part - III) (Semester - VI) (New) Examination, November - 2016**JAVA PROGRAMMING (Paper - 604)****Sub. Code : 66425****Day and Date : Wednesday, 09-11-2016****Total Marks : 80****Time : 10.30 a.m. to 1.30 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)** What is Java? Explain Java Virtual Machine (JVM) in detail. **[8]**
- b)** How to define a class and create an object in Java. **[8]**
- Q2) a)** What is an inheritance? Explain concept of multiple inheritance with example. **[8]**
- b)** What is an applet? How to add Applet code to HTML file. **[8]**
- Q3) a)** Describe creating and extending a thread class in Java. **[8]**
- b)** Explain applet life cycle in detail. **[8]**
- Q4)** What is package? Explain it with suitable example. **[16]**
- Q5) a)** What is operator? Explain various types of operator used in Java. **[8]**
- b)** What is use of 'throws' keyword in exception handling? **[8]**
- Q6) a)** What is difference between function overloading and over-ridding? **[8]**
- b)** Explain multiple catch blocks with suitable examples. **[8]**

P.T.O.

- Q7)** a) Explain process of building applet code with example. [8]
b) Write a program to display factorial of given number using while loop. [8]

Q8) Attempt any Four from the following:

[16]

- a) Finally.
- b) Features of Java.
- c) Super keyword.
- d) Java tokens.
- e) do - while loop.

