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| Date: 23-04-2018 |

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**ST JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27**

**BCA JAVA PROGRAMMING-IV SEMESTER**

**SEMESTER EXAMINATION:APRIL 2017**

**CA 4315- Java Programming**

**Time-2 ½ hrs Max Marks-70**

(For supplementary candidates)

Do not write the register number on the question paper

Please attach the question paper along with the answer script.

**I Answer all the following 2\*10= 20**

1.What is Object Oriented Programming

2.Explain Data Abstraction.

3.Whats the difference between a String and a Character

4.Define Method overriding

5.Explain Vectors in Java.

6.What is a Final Class.

7.Whats an Exception in Java

8.Define Thread

9.What are applets?

10.What are Stream Classes?

**II.Answer any FIVE of the following. 5\*6= 30**

11.Explain Abstract class with an example

12.Explain Method Overloading with example

13.Explain Packages in Java with example

14.Explain Multi threaded concept in Java with example.. .

15.What is an Exception? Explain try and Catch statements

16.Explain Applet Life Cycle

17.Explain Creation of Files in Java

**III Answer any TWO of the following. 2\*10=20**

18.How do we achieve Multiple Inheritance in Java. Explain in detail with example.

19.Write the Features of Java in detail.

20.a)Write any three different ways of accepting Input in Java(5)

 b)Write any simple Applet Program and explain.(5)