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

**B.C.A - IV SEMESTER**

**SEMESTER EXAMINATION – APRIL 2017**

**CA 4315: Java Programming**

**Time: 2.5 Hrs Max Marks: 70**

This Question Paper Contains Two printed papers and Three parts

**PART A**

**Answer ALL ten questions 2x10=20**

1. Why is java known as platform netural language?
2. What are literals? List the different type of literals.
3. What is variable? List the different type of java variable.
4. Write the differences between class and interface.
5. Write a short note on type conversion.
6. Write a short note on nested if statement.
7. What is a class constructor?
8. What is friendly access?
9. What is class? How do classes help us to organize our programs?
10. What is final method? Explain the structure of final method.

**PART B**

**Answer any FIVE of the following. 6x5=30**

1. Explain the structure of java program.
2. With an example explain the ?: operator.
3. Explain multiple interface with an example.
4. Explain method over loading with an example.
5. Explain life cycle of a thread.
6. Define visibility control. Explain the difference between public access and friendly access.
7. Define multiple catch statement. Explain with a suitable example.

**PART C**

**Answer any tWO of the following. 10x2=20**

1. What is data type? Explain primitive and object data types used in java.
2. Write a short note on abstract methods and classes.
3. Explain the steps involved in creating a package. Explain with a suitable example.