

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**B.Sc. & B.C.A. DEGREE EXAMINATION – COMPUTER SCIENCE & APPLICATIONS**

**SIXTH SEMESTER – APRIL 2018**

**CA / CS 6611– PROGRAMMING IN JAVA**

Date: 17-04-2018  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**Part-A**

**Answer ALL questions:**

**10x2=20 Marks**

1. Write any three Oops principles?
2. What is a variable? How to declare variable in java?
3. List out the operators in java
4. What are Jump statement in java?
5. What is a class? Give an example
6. Define abstract class
7. Define Multithreading
8. List the several states of thread in java
9. What are applets?
10. What are Byte stream in java?

**Part-B**

**Answer all questions:**

**5x8=40 Marks**

11. a) Explain the Features of Java

**(or)**

B) Write about the Benefits of OOPS

12. a) Explain Bitwise Operators in Java

**(or)**

b) Explain conditional statement in java with example

13. a) Write a java program to perform method overriding

**(or)**

b) Explain Constructor with example

14. a) Explain the different states of thread

**(or)**

b) What is synchronization? Explain the types of synchronization in java

15. a) Explain the life-cycle of applet in java

**(or)**

b) Explain character stream class in java

**Part-C**

**Answer any two questions:**

**2x20=40 Marks**

16. a) Explain Data types in Java

b) Discuss about operators in java

17. a) Explain the concept of Interface in java with example

b) Discuss about Exception Handling in java

18 a) Write a java program to create a banner using applet

b) Write a java program to check if a number is even or odd in java

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