



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

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

**SIXTH SEMESTER – NOVEMBER 2016**

**CS 6611/CA 6611 – PROGRAMMING IN JAVA**

Date: 14-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**PART - A**

**ANSWER ALL THE QUESTIONS:**

**( 10 x 2 = 20 marks )**

1. What are the principle concepts of OOPS?
2. Is it possible to override the main method?
3. What is the use of post increment and pre increment operator?
4. What are branching statements?
5. What is method overloading?
6. What modifiers are allowed for methods in an interface?
7. What is synchronization in respect to multi-threading in java?
8. What are the advantages of using exception handling?
9. Define applet.
10. What is metadata?

**PART-B**

**( 5 x 8=40 marks )**

**ANSWER ALL THE QUESTIONS:**

11. a) Explain scope of variables with an example.  
(Or)  
b) Describe command line argument with an example.
12. a) Explain the bitwise operators with an example.  
(Or)  
b) Describe briefly about the precedence of expression.
13. a) Explain Method overriding with an example.  
(Or)  
b) How would you implement multiple inheritance in Java? Explain.
14. a) Explain the following
  - i) Creating a thread and extending a thread
  - ii) Thread priorities.(Or)  
b) Explain exception handling with an example.
15. a) Describe the life cycle of an applet with an example.  
(Or)  
b) Explain the basic steps to use database in java with an example program.

**ANSWER ANY TWO QUESTIONS**

16. a) Explain in detail about the features of java.

b) Discuss the decision making statements in java.

17. a) Write a java program to display the person's details using Constructor and Methods.

b) Write a java program to understand the steps in the creation of packages.

18. a) Write a java program to add two numbers using applet.

b) Write a java program for reading and writing a file in java using Byte Streams.

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