



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

THIRD SEMESTER – NOVEMBER 2017

16UCA3MC01 - PROGRAMMING IN JAVA

Date: 04-11-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL the Questions

(10 * 2 = 20)

1. How Java is Platform Independent?
2. Define Expression. How it is evaluated in Java
3. Define Constructors.
4. What is Method Overriding?
5. What is Vector? Give any two methods in it.
6. Give any two string functions in java.
7. Define Threads.
8. Give the use of Runnable Interface.
9. Differentiate Local and Remote Applets.
10. How will you align the display of an Applet.

Part B

Answer ALL the Questions

(5 * 8 = 40)

11. Compare and Contrast C++ and Java.
(or)
Explain the types of If statements.
12. Discuss about Final variable, final methods, Final Classes and Finalize.
(or)
Define Class. Give the general form of a class. Explain with a small program of how object is instantiated and accessed.
13. Define Arrays. Give its uses. Explain its types with suitable example.
(or)
What is a Package? Write short notes on System Packages.
14. Describe the Complete Lifecycle of a Thread.
(or)
Write short notes on Thread Exception and Thread Priority.
15. Explain the process of adding an applet to HTML file and passing parameters to it.
(or)
Give the difference between Applet and Application.

Part C

Answer Any TWO Questions

(2 * 20 = 40)

16. (a) Write short notes on Java Operators.

(b) Explain Inheritance and Abstract Classes with Examples.

17. (a) Define Interfaces. State its uses. Give the Similarities and Differences between Interfaces and Classes.

(b) Write a Java code to demonstrate multithreading.

18. (a) Define Applet. Describe its Life Cycle.

(b) Write a code to get input from the user using applet.

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