LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2009

CS 1805 - OOPS THROUGH JAVA

Date & Time: 13/11/2009 / 1:00 - 4:00   Dept. No.   Max. : 100 Marks

PART – A   **10 x 2 = 20 marks**

<u>**Answer all**</u>

1. Define the following term: dynamic binding.
2. Write any two features of object oriented programming
3. Define the term i) private ii) protected
4. What is the use of Thread?
5. Write the syntax of applet code.
6. List out any four exception in Java.
7. Write any four layouts of AWT.
8. How the swing component is better than AWT.
9. Write the methods of servlet life cycle.
10. What is the use of cookies in java?.

PART – B   **5 x 8 = 40 marks**

Answer all

11.a).Write a short notes on any four concepts of OOP..

(Or)

  b) Write the single inheritance program in java.

12.a).Write a java program to implement package.

(Or)

  b) Write short notes on thread life cycle.

13.a) Write a java program to perform an action in the button control using AWT.

(Or)

  b) Write a short note how to create different images using Applet.

14.a)Write a java program to create button and text box in swing.

(or)

  b) Write a short note on java bean.

15. a) Write the procedure for java database connectivity.

  b). Write a short notes different types of servlet.

PART- C   **2 x 20 = 40 marks**

Answer any Two

16. a). Discuss in detail about the key features of java.

  b). Write a java program to demonstrate multithreading with class A,B and C.

17. a). Discuss the various methods and constructors of Border Layout.

  b).Write a Swing program to demonstrate Action event.

18. a) Write the procedure in detail to execute java servlet.

  b) Write a java program to fetch the data from the Access database ' Loyola' , table called 'student'

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