LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - **COMPUTER SC.**

FIRST SEMESTER – **NOVEMBER 2013**

CS 1823 - OBJECT ORIENTED SOFTWARE ENGINEERING

Date : 08/11/2013 Dept. No. Max. : 100 Marks
Time : 1:00 - 4:00

Part A

Answer ALL questions **10 x 2 = 20**

1. What do you mean by Object oriented?
2. Define Inheritance. Give one example.
3. List the object types used to structure the analysis model.
4. What is traceability?
5. How detailed must a usecase be?
6. Define the Method used in OOSE.
7. Write the major properties of aggregation.
8. List the project maturity levels.
9. What are logical and physical views in OOD?
10. List the models used in OMT.

Part B

Answer ALL questions **5 x 8 = 40**

11 a) Explain the spiral model with neat diagram.

(OR)

b) What is Object Oriented Programming? Explain its concepts.

12 a) Briefly explain the requirement model.

(OR)

b) Describe the integration testing methods.

13 a) Write down the usecase driven approach for identifying classes.

(OR)

b)State the Guidelines for selecting classes from the relevant and Fuzzy classes.

14 a) Explain the project staffing principles.

(OR)

b). Discuss the software metrics used for OOSE.

15 a) Discuss the OMT method in detail.

(OR)

b) Compare the concepts of OOA with OOSE.

Part C

Answer any TWO questions **2 x 20 = 40**

16 a) Discuss the statement "System development as a process of change" in detailed manner.

b) Explain the Software Development Life Cycle with relevant pictures.

17 a) Write notes on (i) testing strategies. (ii) Unit testing (iii) Structural testing.

b) How will you make effective documentation? Give guidelines.

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18 a) Describe the Software Quality Assurance terminology

b)Explain the HOOD method and compare it with OOSE.