LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - COMPUTER SCIENCE

SECOND SEMESTER – **NOVEMBER 2013**

CS 2954 - OBJECT ORIENT.ANALYSI & DESIGN

Date : 13/11/2013   Dept. No.   Max. : 100 Marks
Time : 1:00 - 4:00

SECTION-A

ANSWER ALL THE QUESTIONS: (10 X 2 = 20)

1. Define Aggregation.

2. What is Dynamic Inheritance?

3. What are methods?

4. Define Analysis.

5. What are corollaries?

6. What is 80-20 rule?

7. What is the purpose of a view layer interface?

8. Mention any two guidelines for coloring *user interface*.

9. What is validation? How it differs from verification?

10. Write down the characteristics of test cases.

SECTION-B

ANSWER ALL THE QUESTIONS: (5 X 8 =40)

11. a) Explain in brief about sequence diagram with an example.

                    (OR)

    b) Explain encapsulation and information hiding.

12. a) What is Super-Sub relationship? Describe a best method for identifying Super-Sub relationship.

                    (OR)

    b) Derive a Use-Case model for ATM banking.

13. a) Explain the access layer design principles.

                    (OR)

    b) Write down the rules to design a OODBMS.

14. a) Write down the process followed in designing view layer classes with suitable examples.

                    (OR)

    b) Write down the guidelines for designing command buttons layout.

15. a) What are test cases? Design test cases for "user sign in" form.

(OR)

b) Write down the characteristics of user satisfaction test.

SECTION-C

ANSWER ANY TWO QUESTIONS: (2 X 20 = 40)

16. i) Discuss in detail the Unified approach to software development.   (10)
    ii) Explain about patterns and the role of them in object orientation   (10)

17. i) Explain coupling and cohesion in detail. (10)
    ii) Explain the different User interface design rules to be followed in designing interface objects.
    (10)

18. i) Define methods and attributes and refine them for VIA bank ATM (10)
    ii) Explain user interface design rules for micro level process. (10)

****