 LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

SECOND SEMESTER – APRIL 2011

# CS 2954 - OBJECT ORIENT.ANALYSI & DESIGN

Date : 07-04-2011 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 Antipattern?

3. Compare Uses and Extends association.

4. Mention the 2 major properties of a-part-of-relationship.

5. What is a multidatabase system?

6. State the design axioms.

7. Mention User Interface Design Rule 2 and 3.

8. Mention any 2 guidelines for applying colours in User Interface.

9. What is scenario based testing?

10. State Myer’s debugging principles.

**SECTION-B**

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

# 11. a) Explain in brief Collaboration Diagram with an example.

# (OR)

b) Explain encapsulation and information hiding.

12. a) Discuss in brief about CRC approach for identifying classes.

(OR)

b) Sketch a Use Case diagram for Employee Payroll Management System.

13. a) Explain in detail about Concurrency control.

(OR)

b) Discuss about the rules to design a OODBMS.

14. a) Discuss in brief about the UI design rules used in the micro level process.

(OR)

b) Elaborate the guidelines for designing command buttons layout.

15. a) What is a test plan? Elaborate the steps for the creation of a test plan.

(OR)

b) Briefly discuss about User Satisfaction Test.

**SECTION-C**

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

16. (a) Discuss in detail the Unified approach to software development. (10)

(b) Explain the rules of naming classes and attributes with examples. (10)

17. (a) Discuss about the process of creating access layer classes. (10)

(b) Briefly describe the guidelines for designing forms and data entry

windows. (10)

18. (a) Compare White Box testing and Black Box testing in detail. (10)

(b) Discuss the rules for developing usability test. (10)

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