LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIRST SEMESTER – **APRIL 2016**

CA 1803 – OBJECT ORIENTED ANALYSIS AND DESIGN

Date: 28-04-2016 Dept. No. Max. : 100 Marks

Time: 01:00-04:00

PART – A

Answer ALL questions **(10 x 2 = 20 marks)**

1. Define modularity.
2. Give the activity of macro development.
3. What is generative and non-generative pattern?
4. Define UML activity diagram.
5. What is CRC approach of classification?
6. Give the properties of aggregation.
7. Define Coupling.
8. What is the purpose of view layer interface?
9. Define debugging.
10. What are bounded and unbounded variations of class application?

PART – B

Answer ALL questions **(5 x 8 = 40 marks)**

11. a) Write note on evolution of object model.

Or

b) Discuss on various roles of development team.

12. a) Write note on Object Modeling Techniques.

Or

b) Elucidate various components of reading pattern.

13. a) Write note on use case modeling.

Or

b) Illustrate the super-sub class relationship.

14. a) Write note on designing methods and protocol of classes.

Or

b) Describe various UI design rules.

15. a) Write note on various testing strategies.

Or

b) Elucidate Client/Server computing components.

PART – C

Answer any TWO questions **(2 x 20 =40 marks)**

(Q. No. 16 is compulsory)

16. a) Construct and explain any three UML dynamic modeling.

    b) Explain OOSD system development as Use-case driven approach.

17. a) Discuss various notations of UML diagram.

    b) Write note on the following classification theory:

        (i) Noun Phrase approach

        (ii) Common Class Pattern approach.

18. a) State and explain the rules for designing Object Oriented System and DBMS.

    b) What is Test case? Explain its guidelines.

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