18. (a) Explain the algorithmic approach to the operation logic specification.

Or

(b) How object-orientation contributes to reuse?

19. (a) Discuss the general structure of MVC architecture.

Or

(b) Discuss the design of Relational databases.

20. (a) Discuss the software tools for implementation.

Or

(b) Discuss the testing carried out at three levels.

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Reg. No. : .....

Code No. : 6444 **Sub. Code : C 2 CA**

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2011.

Second Semester

Computer Science — Main

Elective – OBJECT ORIENTED ANALYSIS AND DESIGN

(For those who joined in July 2008 and afterwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

1. What are the limitations of object orientation?

2. What is meant by data hiding?

3. List two advantages of modeling.

4. What is the drawback of interview technique of data collection?

5. What is a component?

6. What is meant by the signature of a method?

7. List any two quality criteria for good analysis.

8. What is a proxy?

9. Give the symbols for Entity object, Control Object and interface object.

10. Expand : PERT.

PART B — ((5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

11. (a) What are the problems in client's perspective? Explain.

Or

(b) Explain the relationship between a sub class and its super class.

12. (a) What are the advantages of modeling? Explain.

Or

(b) What is forking? Give example.

13. (a) What is a decision table? Explain its use.

Or

(b) What is a note? Explain.

14. (a) What are the advantages of dividing IS in to subsystems?

Or

(b) Explain the need for referential Integrity.

15. (a) What is the purpose of a deployment diagram?

Or

(b) What is object wrapper? What is its use?

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

16. (a) What are the features for computer support for preparing and maintaining diagrams? Explain them.

Or

(b) What is polymorphism? Explain with example.

17. (a) Explain 'aggregation' and 'generalization' with examples.

Or

(b) What is collaboration diagram? Explain.