

OR

b) What are model constraints, and how are they represented in the UML?

4. a) What is the basic activity in designing an application?

OR

b) What are the challenges in designing with inheritance?

5. a) What are the phases of OMT? Briefly describe each phase

OR

b) What is the main advantage of DFD?

6. a) What is an OODBMS? Describe the differences between an OODBMS and object-oriented programming

OR

b) What is a concurrency policy?

[28/III Y/212]

[Aug-12]

**[SPDCA-301]
MCA Degree Examination**

III YEAR

OBJECT ORIENTED ANALYSIS AND DESIGN

(Effective from the admitted batch 2009-10)

Time: 3 Hours

Max.Marks: 70

Instructions: All parts of the unit must be answered in one place only.
Figures in the right hand margin indicate marks allotted.

SECTION-A

1. Answer any five of the following (5x4=20)

- a) What are the advantages of object-oriented development?
- b) Enumerate different types of INHERITANCE associated with object-oriented languages
- c) Name and describe the relationships in a use case diagram
- d) What is the difference between sequence diagrams and collaboration diagrams?
- e) What is the task of design? Why do the need analysis?
- f) What is the strength of OMT?
- g) What is a DBMS?
- h) What is a DDL?

SECTION-B

Answer all questions: (5x10=50)

2. a) Describe the components of the unified approach

OR

b) What are some of the advantages and disadvantages of the waterfall process?

3. a) What is UML? What is the importance of UML?