



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

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

**FIFTH SEMESTER – NOVEMBER 2016**

**CA 5402 - OBJECT ORIENTED ANALYSIS AND DESIGN**

Date: 09-11-2016  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART – A**

**ANSWER ALL THE QUESTIONS:**

**10 X 2 = 20**

1. What is the difference between static and dynamic binding?
2. What do you mean by information hiding?
3. What is Association?
4. Define antisymmetry?
5. What are the database models?
6. Define Cohesion.
7. Define the term OOUI.
8. What is the purpose of View layer interface?
9. Define debugging.
10. What are the advantages of Black box testing?

**PART – B**

**ANSWER ALL THE QUESTIONS:**

**5 X 8 = 40**

11. a) What are the OOPs concepts? Explain.  
(or)  
b) Explain about the software development process.
12. a) Write about the guidelines for Identifying Association?  
(or)  
b) What are guidelines for developing effective documentation? Explain.
13. a) Discuss the UML attribute and operation (method) presentation.  
(or)  
b) Write about Object Oriented Database Management System.
14. a) Give the guidelines for using Colors and Fonts.  
(or)  
b) List the guidelines for designing Forms and data entry windows.
15. a) What are the impacts of Object Orientation on testing?  
(or)  
b) What are the Myer's debugging principles?

**PART – C**

**ANSWER ANY TWO:**

**2 X 20 = 40**

16. a) Explain in detail about Booch methodology. **(10)**  
b) Explain in detail about the different approaches to identify the classes. **(10)**
17. a) Explain the Object Oriented Design Axioms and Corollaries. **(10)**  
b) What are the guidelines for designing application window? Explain. **(10)**
18. a) Explain in detail about the different types of testing. **(10)**  
b) Draw a sequence diagram for the ATM withdraws checking, and explain the process. **(10)**

\*\*\*\*\*