



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – APRIL 2023

CA 5402 – OBJECT ORIENTED ANALYSIS AND DESIGN

Date: 11-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

PART – A

Answer all the Questions.

10x2 = 20 marks

1. What is UML?
2. What is an Object?
3. What are messages?
4. Define Actor.
5. What is coupling?
6. What is a multi -database system?
7. Write any two guidelines for using Fonts.
8. What is a GUI?
9. What is a test plan?
10. What is understandability?

PART – B

Answer all the Questions

5x8 = 40 marks

11.a) Explain about Rambough Methodology.

(or)

b) What are the benefits of object orientation?

12.a) Discuss generalization and Specialization in Object Relationship.

(or)

b) Explain about Use Case Diagram with an example to banking system.

13. a) Explain about Designing View Layer Classes.

(or)

b) Explain about Distributed Processing.

14.a) Explain about Prototyping the User Interface.

(or)

b) Discuss the guidelines for designing Forms and Data Entry Windows.

15. a) Explain about Myers's debugging Principles.

(or)

b) Discuss about the guidelines for developing User Satisfaction Test.

PART- C

Answer any Two Questions.

2x 20 =40 marks

16. i) Explain about Patterns and Framework.
ii) Explain different models for object analysis.
17. i) Explain the characteristics and functionalities of object oriented database management systems.
ii) Discuss about Design Axioms and Corollaries.
18. i) Discuss about UI Design rules.
ii) Discuss about guidelines for developing Test Cases.

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