



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – APRIL 2016

CA 5402 - OBJECT ORIENTED ANALYSIS AND DESIGN

Date: 29-04-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART – A

Answer all

10x2 = 20 marks

1. What is an Object?
2. What is modality?
3. Define Two-Three rule.
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

5x8 = 40 marks

- 11.a) Explain about Booch Methodology.
(or)
b) Explain the following
a) Abstraction b) Polymorphism c) Inheritance
- 12.a) Discuss about Identifying Objects attributes and methods.
(or)
b) Explain about Use Case Diagram with a suitable example.
- 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

2x 20 =40 marks

16. i) Explain about Patterns and Framework.

ii) Draw and explain UML Diagrams.

17. i) Discuss about the guidelines for developing effective documentation.

ii) Discuss about Design Axioms and Corollaries.

18. i) Discuss about UI Design rules.

ii) Discuss about guidelines for developing Test Cases.
