



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. & B.C.A. DEGREE EXAMINATION – COMPUTER SCIENCE & APPLI.

FIFTH SEMESTER – NOVEMBER 2017

CS / CA 5511 – OBJECT ORIENTED TECH. & SOFTWARE ENGINEERING

Date: 06-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART - A

Answer ALL the Questions

(10 X 2 = 20 Marks)

1. What is class hierarchy?
2. Define object.
3. What is the purpose of activity diagram?
4. List the object-oriented methodologies.
5. What is a Usecase?
6. Define Aggregation.
7. Write the purpose of Software Project Metrics.
8. What are the two types of risk analysis?
9. What is Black box testing?
10. Define quality metrics.

PART - B

Answer ALL the Questions

(5 X 8 = 40 Marks)

11. a) Explain the advantages of object oriented approach.
(OR)
b) Explain in briefly about the Encapsulation and Polymorphism
12. a) Explain about the Jacobson Methodology.
(OR)
b) Describe about the Interactive Diagram and Package Diagram with example.
13. a) Explain the relationship analysis for the ViaNet Bank ATM system.
(OR)
b) Describe about Identifying Object attributes and Methods

14. a) Explain about the Categories of Risk in detail.

(OR)

b) Write notes on Cohesion and Coupling.

15. a) Discuss about the Software quality assurance in detail

(OR)

b) Explain about the Integration Testing.

PART – C

Answer any TWO Questions

(2 X 20 = 40 Marks)

16. a) Describe in detail about the Booch Methodology.

b) Explain and draw the UML diagram for online shopping.

17. a) Write about Software configuration Management in detail.

b) Explain in detail about the types of object's relationship.

18. a) Discuss on any two approaches for identifying classes.

b) Explain about the White Box testing Techniques in detail.
