



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2019

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

Date: 15-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

ANSWER ALL QUESTIONS

(10 x 2 = 20 marks)

1. What is an association? Differentiate between association and cardinality.
2. What is an Object, state of the object? Give an example.
3. Define an Abstract class.
4. List the phases of Unified process.
5. What is aggregation?
6. Write the guidelines for finding the use cases.
7. Write about significance of project scheduling.
8. What is the need of modularity?
9. Define verification and validation.
10. What are the attributes of good test?

PART – B

ANSWER ALL QUESTIONS

(5 x 8 = 40 marks)

11. a) Discuss in detail about Object Oriented System development life cycle with neat diagram. **(8)**

(Or)

b) Write short notes on the following

Encapsulation and Abstraction with examples **(8)**

12. a) Develop the system for the inventory control management based on Booch Methodology with the following requirements: **(8)**

- i) Keep track of the stocks in the stores.
- ii) Tracking the orders as they are received.

(Or)

b) Discuss in detail about the following with suitable examples.

- i) Use case diagram **(4)**
- ii) Class diagram. **(4)**

13.a) Discuss with an example use case driven approach for object oriented analysis.(8)

(Or)

b) Explain in detail about identifying objects, attributes and methods. (8)

14.a) Explain the concept of cohesion and coupling in software design. (8)

(Or)

b) Explain in detail about the categories of Risks. (8)

15. a) Explain in detail about Measuring Quality of the software. (8)

(Or)

b) Explain any two testing methods in Black Box Testing Techniques. (8)

PART – C

ANSWER ANY TWO QUESTIONS

(2 x 20 = 40 marks)

16. a) Explain how to translate the analysis model into a software design. (10)

b) Discuss in detail about process and project metrics in software engineering. (10)

17. a) Describe the purpose and responsibilities of software quality assurance in detail.(10)

b) Draw the Use case and activity diagrams for the library information system. (10)

18. a) Draw the class diagram for banking system. (10)

b) Discuss in detail about software configuration Management. (10)
