



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc., B.C.A. DEGREE EXAMINATION - COMPUTER SCIENCE. & APP.

FIFTH SEMESTER – NOVEMBER 2015

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

Date : 07/11/2015
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL Questions:

(10 x 2=20 marks)

1. What is object?
2. What is meant by Polymorphism in the context of object technology?
3. Write the components of the class diagram.
4. Define use case.
5. What are different types of relationships?
6. List the advantages of use case model.
7. Why software architecture is important in a software process?
8. What are different levels of abstraction?
9. List the objectives of SQA.
10. Differentiate verification and validation.

PART – B

Answer ALL Questions:

(5 x 8=40 marks)

11. (a) Discuss in detail about the various object oriented concepts in detail.
(OR)
(b) Explain about the object relationships and associations in detail.
12. (a) Elucidate Booch Methodology in detail.
(OR)
(b) Discuss in detail about the collaboration diagram with example.
13. (a) Explain UML and its importance in object-oriented systems.
(OR)
(b) Write short notes on: (i) Object relationships (ii) Attributes and methods.
14. (a) Explain about the process and project metrics in detail.
(OR)
(b) Discuss about the concepts of software design.
15. (a) Explain about the software quality assurance.
(OR)
(b) Discuss in detail about the control structures testing with neat sketch.

PART – C

Answer any TWO Questions:

(2 x 20=40 marks)

16. (a) Apply and explain the object oriented systems development life cycle in pay roll program.

(b) Explain about the Jacobson methodology in detail.

17. (a) With suitable diagrams, explain in detail the two kinds of interaction diagrams of UML.

(b) Explain about the analysis modeling in detail.

18. (a) Discuss about the black box testing in detail.

(b) Analyzing the ViaNet bank ATM with neat diagram.

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