LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – **APRIL 2016**

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

Date: 29-04-2016   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

PART - A

Answer ALL questions   **(10 x 2 = 20 marks)**

1. Define Polymorphism.
2. What is the term correctness meant for?
3. What is a Framework?
4. Define Package.
5. What is a Usecase?
6. Define Aggregation.
7. What are various customer related risks?
8. Define cardinality and modality.
9. What is reliability?
10. What is validation testing?

PART – B

Answer ALL the questions   **(5 x 8 = 40 marks)**

11. a. Explain the advantages of object oriented approach.
    (OR)

    b. Discuss on i. Encapsulation   ii. Information Hiding.

12. a. Write about UML Activity Diagram.
    (OR)
    b. Explain Jacobson Methodology in detail.

13. a. Describe the guidelines for effective documentation.
    (OR)
    b. Explain the method of identifying attributes and methods in detail.

14. a. Discuss on Change Control in Software Configuration Management.
    (OR)
    b. Write about Cohesion in detail.

15. a. Explain about Software Quality Assurance Activities.
    (OR)
    b. Discuss on various System Testing Strategies.

PART – C   (2 x 20 = 40 marks)

Answer Any TWO questions

16. a. briefly explain the Object Oriented Software Development Life Cycle.

    b. Draw the UML diagram for Online Shopping.

17. a. Explain the three types of relationships among objects.

    b. Discuss on Size Oriented and Function Oriented metrics in detail.

18. a. Explain about various Black box testing strategies in detail.

    b. Discuss on any two approaches for identifying classes.

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