LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – **APRIL 2018**

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

Date: 03-05-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

SECTION A

ANSWER ALL THE QUESTIONS: **10 X 2 = 20**

1. Define Polymorphism.
2. What the advantages are of object oriented systems development methods?
3. Define Framework.
4. Define N-Ary association.
5. How would you identify super – sub class relationship?
6. What is a use case model?
7. What is Software Configuration Management?
8. What are project metrics?
9. Define Software Quality.
10. Define Alpha and Beta Testing.

SECTION B

ANSWER ALL THE QUESTIONS   **5 X 8 = 40**

11. a. Explain about class hierarchy.
                        (OR)
b. Discuss on software development process.

12. a. Explain about UML activity diagram.
                        (OR)
     b. Discuss on the layered approach to software development.

13. a . Explain about effective documentation guidelines.
                        (OR)
     b. Discuss on the noun phrase approach to object analysis.

14. a. Discuss on various design concepts.

                        (OR)
b. Explain about the basic principles of project scheduling.

15. a. Explain about control structure testing.
              (OR)
b. Discuss on system testing.

ANSWER ANY TWO QUESTIONS   **2 X 20 = 40**

16. a. Explain about Object Oriented System Development.
    b. Discuss on Booch methodology for system design.

17. a. Draw and explain the use case diagram for online shopping.

    b. Explain coupling and cohesion indetail.

18. a. Discuss on Risk Identification

    b. Explain about Software Reengineering.

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