LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – **NOVEMBER 2016**

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

Date: 05-11-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL the Questions   **(10 x 2 = 20 Marks)**

1. What is Object?
2. Define polymorphism.
3. What is Pattern?
4. Write the purpose of State Diagram.
5. What is the use of use case diagram?
6. Define attributes and entity.
7. Write the purpose of Software Project Metrics.
8. List the Characteristics of Risk.
9. What is meant by Alpha Testing?
10. Define reverse engineering.

PART - B

Answer ALL the Questions   **(5 x 8 = 40 Marks)**

11. a) Explain the types of Inheritance.
             (OR)
    b) Explain about the Object oriented System Development Life Cycle.

12. a) Explain about the Rumbaugh Methodology.
             (OR)
    b) Describe about the State Diagram and Activity Diagram with example.

13. a) Explain about the Use Case Model.
             (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 Reliability in detail.
             (OR)
    b) Explain about the Black Box Testing.

PART - C

16. a)   Describe in detail about the software development process. (10 marks)

    b)   Explain about the Package Diagram. (10 marks)

17.   a) Draw the use case diagram for via net bank ATM. (10 Marks)

    b)   Explain about the Developing Effective Documentation. (10 Marks)

18. a) Discuss about the Software Quality Assurance in detail. (10 Marks)

    b) Explain about the White Box testing Techniques in detail. (10 Marks)

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