



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – NOVEMBER 2014

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

Date : 05/11/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

PART – A

Answer ALL questions:

(10 x 2 = 20 marks)

1. Define inheritance.
2. What is prototyping & what are the different categories of prototyping?
3. Differentiate framework & pattern.
4. What is Generalization?
5. Define classification.
6. What is an 80 – 20 rule?
7. What are software project metrics?
8. Define risk and state its characteristics.
9. What is stress testing?
10. Define cyclomatic complexity.

PART – B

Answer ALL questions:

(5 x 8 = 40 marks)

11. a. Explain the process of building a high quality software.
(OR)
b. Discuss on the following.
(i) Objects (ii) Object behavior & methods
12. a. Write about the Brooch methodology.
(OR)
b. Explain about the UML collaboration diagram.
13. a. Give detailed notes about the noun phrase approach.
(OR)
b. Explain the method of identifying actors & how they will use interact with the system.
14. a. Explain about Change Control.
(OR)
b. Discuss on Cohesion and Coupling.
15. a. Explain about SQA Activities.
(OR)
b. Discuss on Integration Testing.

PART - C

Answer Any TWO questions:

(2 x 20 = 40 marks)

16. a. Explain about the component based development approach.
b. Draw the UML Class Diagram for a Banking System.

17. a. Explain about the association between objects with an example.
b. Explain about various Software Design Concepts.

18. a. Explain about Software Reliability.
b. Discuss on various white Box Testing strategies.

\$\$\$\$\$\$