



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A.DEGREE EXAMINATION –COMPUTER APPLICATIONS

FIFTH SEMESTER – APRIL 2019

16UCA5MC04 - OBJECT ORIENTED SOFTWARE ENGINEERING

Date: 22-04-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

Answer ALL the Questions

(10 X 2 = 20 Marks)

1. Define software Engineering.
2. What is Project metrics?
3. Define Abstraction.
4. Write the purpose of code efficiency.
5. What is path testing?
6. Define Black Box testing.
7. Define Object.
8. Define polymorphism.
9. What is meant by Use case?
10. Define Package Diagram.

PART - B

Answer ALL the Questions

(5 X 8 = 40 Marks)

11. a. Discuss about project management.

(OR)

b. Explain in detail about Analysis modelling.

12. a. Write notes on Cohesion and Coupling.

(OR)

b. Explain about the Software Configuration Management in detail.

13. a. Discuss about the Software Reliability in detail

(OR)

b. Explain about the Black Box Testing.

14. a. Discuss about the Object oriented System Development Life Cycle.

(OR)

b. Explain about the Rumbaugh Methodology.

15. a. Explain about the Use Case Model.

(OR)

b. Describe about the State Diagram and Activity Diagram with example.

PART - C

Answer any TWO Questions

(2 X 20 = 40 Marks)

- 16. a) Explain about the Risk analysis (10 marks)
b) Explain about user Interface Design. (10 marks)

- 17. a) Explain about the Reverse Engineering and Reengineering. (10 Marks)
b) Describe in detail about the Booch Methodology (10 Marks)

- 18. a) Explain in detail about the class diagram, Interactive and package diagram with an example.
b) Discuss about the Software Quality Assurance in detail (10 Marks)
