



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2019

16/17UCA5MC04 – OBJECT ORIENTED SOFTWARE ENGINEERING

Date: 04-11-2019

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 are the two characteristics of risks?
3. What is data dictionary?
4. What are the various software configuration activities?
5. What is cohesion? and list all its types.
6. Define stress testing.
7. What is consumer-producer association?
8. What is encapsulation?
9. Define activity diagram.
10. What is the need of collaboration diagram in UML?

PART B

Answer ALL the questions:

(5 x 8 = 40 marks)

11. a. Explain about the characteristics and types of software teams.

(OR)

b. Discuss software prototyping model

12. a. Discuss about project scheduling and Timeline chart.

(OR)

b. Explain the elements of analysis model.

13. a. Explain about integration testing in detail.

(OR)

b. Briefly explain about reverse engineering

14. a. Explain about software development process.

(OR)

b. Discuss on object oriented software engineering approach.

15. a. Write about association in detail.

(OR)

b. Discuss on the method and guidelines for effective documentation.

PART C

Answer any TWO questions:

(2 x 20 = 40 marks)

16. a. Explain about software measurement.
- b. Discuss on formal technical reviews carried out for software quality assurance
17. a. Write about control structure testing.
- b. Discuss on Booch methodology in detail.
18. a. Draw the use case diagram for online shopping.
- b. Explain about the noun phrase approach for identifying the classes.
