LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2018

16UCA5MC04– OBJECT ORIENTED SOFTWARE ENGINEERING

Date: 01-11-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

SECTION A

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

1. What do you mean by software scope?

2. List down the basic rules for creating analysis model.

3. What is cohesion?

4. What are the different software configuration activities?

5. What is stress testing?

6. Define software reliability.

7. Define pattern.

8. What is class hierarchy?

9. Differentiate static and dynamic models.

10. What are the two common association patterns?

SECTION B

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

11.a. Explain the various metrics for measuring software quality.

(OR)

b. Discuss on Risk Projection in detail.

12.a . Explain about modularity.

(OR)

b. Discuss on user interface design.

13. a. Briefly explain about reverse engineering.

(OR)

b. Explain about control structure testing.

14. a. Explain the various methods of building high quality software.

(OR)

b. Discuss on prototyping methodology in constructing software.

15. a. Explain about noun phrase approach.

(OR)

b. Draw the use case model for online shopping.

SECTION C

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

16. a. Explain the various features of project scheduling.

   b. Write about object oriented design and component based development.

17. a. Write about how to identify objects for software configuration management.

   b. Explain about Booch methodology.

18. a. Explain about UML activity diagram with an example.

   b. Discuss on Integration testing.

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