

ST. JOSEPH'S EVENING COLLEGE (AUTONOMOUS)

VI SEMESTER BCA EXAMINATIONS - APRIL 2019

OBJECT ORIENTED SYSTEM DESIGN

Duration: 2.5 Hours

Max. Marks: 70

SECTION - A

I) Answer any SIX of the following questions. (6x3=18)

1. What is the main advantage of object oriented system design?
2. What is software validation and verification?
3. What is the strength of Jacobson's et.al methodology?
4. Give differences between patterns and frameworks.
5. What is a use case model? How would you identify actors?
6. What is the significance of high quality software?
7. Write a note on Association and Aggregations.
8. Explain corollary I in brief.

SECTION - B

II) Answer any FOUR of the following questions. (4x8=32)

9. Describe object oriented software development lifecycle. Compare it with traditional approaches.
10. Describe the Booch system development process.
11. Consider a FINANCIAL CASH SYSTEM, design at least four classes and draw UML diagram with association.
12. Explain the various steps in object oriented design process.
13. What is modeling? Explain different types of models.
14. Develop a use case model for TICKET RESERVATION SYSTEM.

SECTION - C

III) Answer any TWO of the following questions. (2x10=20)

15. Write in detail about various testing strategies.
16. What is OODBMS? Explain object store and persistence.
17. What is View layer? Explain the View layer in detail.