

(BCA53S)

(3501-53)

B.C.A DEGREE EXAMINATION,
MARCH/APRIL 2021

Third year – Fifth Semester

Part- II

Paper V- OOAD

Time : Three hours Maximum : 75 marks

Answer any FIVE of the following

Each question carries 15 marks.

(5 × 15 = 75)

1. (a) Describe the basic activities in object oriented analysis and explain how use case modeling is useful in analysis. (10)
- (b) What is UML ? Explain about the NextGen POS System. (5)
2. Define conceptual class? Explain about the steps to create a domain model refinement. (15)
3. Explain the following :
- (a) Attributes. (5)
- (b) Aggregation and composition. (5)
- (c) UML activity diagram. (5)

4. Briefly explain about the UML interaction diagrams with suitable example. (15)
5. Illustrate with an example explain the relationship between UML package and class diagrams with different UML notations. (15)
6. (a) Write the differences between coupling and cohesion. (7)
- (b) Briefly explain about operation contracts. (8)
7. What is a design pattern? Explain about adapter, single ton, factory patterns. (15)
8. What is the purpose of state chart diagram? How to draw state chart diagrams? Explain with UML notations and suitable example. (15)