

(BCA22SK)

(1501-22K)

B.C.A DEGREE EXAMINATION, NOVEMBER 2021.

First Year – Second Semester

Part II – BCA

Paper II – OBJECT ORIENTED ANALYSIS AND DESIGN

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE question

1. Write about Encapsulation.
2. Write a short note on object oriented analysis.
3. Difference between class and object.
4. Write about association relationship with example.
5. Write about Use Case diagram with notations.
6. Write about classification with its importance.
7. Write the differences between structural and behavioral diagrams.

8. Write the notations of class diagram.

9. What is Fork and Join?

10. What is state and Event?

SECTION B — (5 × 10 = 50 marks)

Answer any FIVE questions

11. Explain about inheritance and its types with example.

12. Explain about generations of programming languages.

13. Write about different relationships among classes with example.

14. Explain the following

(a) Polymorphism

(b) Aggregation

(c) Multiplicity

15. Explain about incremental and iterative classifications.

16. Explain about Domain and behavior analysis.

17. What is UML? Explain about package diagram with One example.

18. Write about logical and physical models.

19. Explain sequence diagram with an example.

20. Explain about state machine diagram with example.