

(BCA22SK)

(1501-22K)

B.C.A. DEGREE EXAMINATION,
SEPTEMBER/OCTOBER 2022.

(Regular & Supplementary)

First Year — Second Semester

Paper II — OBJECT ORIENTED ANALYSIS AND
DESIGN

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions

1. Write about object oriented design.
2. Write about Modularity.
3. Explain Dependency relationship.
4. Write a short note on class and object.
5. Write about classification Importance.
6. Explain Domain Analysis.
7. Explain Structural diagrams.
8. Write about package diagrams.
9. Explain contents in object diagram.
10. Write about collaboration diagram.

SECTION B – (5 × 10 = 50 marks)

Answer any FIVE questions

11. Explain the generations of programming languages.
12. Explain in detail about inheritance and its types.
13. Explain the following with examples.
 - (a) Association
 - (b) Aggregation
14. Explain the nature of a class with interface and Implementations.
15. Give a brief note on incremental and iterative nature of classification.
16. Explain
 - (a) Use case Analysis
 - (b) Behavior Analysis
17. Briefly explain Use case diagram with example.
18. Explain logical, conceptual and physical models.
19. Explain Activity diagram with an example.
20. Define state machine? Explain state machine diagram with suitable example.