

18. (a) Discuss about keeping the light associations in object modeling.

Or

- (b) Describe
(i) OMT as a software engineering methodology
(ii) OMT methodology

19. (a) Explain allocating subsystems to processors and tasks.

Or

- (b) Describe common architectural frameworks.

20. (a) Explain Resuability.

Or

- (b) Analysis the survey of object oriented languages.
-

S.No. 4204

NSRGA 7

(For candidates admitted from 2003–2004 onwards)

B.C.A. DEGREE EXAMINATION, NOVEMBER 2023.

Part III — Computer Applications — Major

**OBJECT ORIENTED SYSTEM ANALYSIS
AND DESIGN**

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions

1. What does the term “Object Oriented” mean?
2. What are called objects?
3. What is an Aggregation?
4. What can be represented as a state diagram?
5. Define software engineering methodology.
6. List the purpose the dynamic model.
7. Define system architecture.

8. Mention the three kinds of issues that should be addressed in designing boundary conditions.
9. What is the main purpose of database?
10. What is the major goal of object oriented design?

SECTION B — ($5 \times 6 = 30$)

Answer ALL questions, Choosing either (a) or (b)

11. (a) Explain the characteristics of objects.
Or
(b) Write a note on Modeling.
12. (a) How Aggregation varies from Generalization and Association? Explain.
Or
(b) Describe
 - (i) Events and sceneries
 - (ii) Event traces
13. (a) Discuss in detail the impact of an object oriented approach.
Or
(b) Explain adding operations.

14. (a) Explain about breaking a system into subsystems.

Or

- (b) Discuss the architecture of ATM system with a neat diagram.
15. (a) Explain implementation using database system.

Or

- (b) Write a note on Extensibility.

SECTION C — ($5 \times 10 = 50$)

Answer ALL questions, Choosing either (a) or (b)

16. (a) Discuss in detail about Object Oriented themes.
Or
(b) Write a detailed notes on Links and Associations.
17. (a) Explain
 - (i) Meta data
 - (ii) Candidate keys.

Or

- (b) Explain nested state diagram.