DECEMBER 2024 **P/ID 17619/PCA5R/ PCATE**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is the difference between an object's methods and its attributes

2. Name the models in Objectory.

3. Why encapsulation is important?

4. What is the main advantage of DFD?

5. What is data modeling?

6. Mention some of the forms of association.

7. How would you identify actors?

8. Write the guidelines for naming classes.

9. What is client/server computing?

10. What is white box testing?

11. What is debugging?

12. Why do we need usability testing?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Give a brief account on advantages and disadvantages of prototyping.

14. Write short notes on framework.

15. Describe the basic activities in object oriented analysis.

16. List and explain object – oriented design axioms.

17. Brief on database models.

18. Write the guidelines for designing Forms and Data Entry Windows.

19. Give a brief account on black box and white box testing.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. What are the different types of UML diagrams? Explain.

21. Discuss on Use case driven approach with examples.

22. Elaborate the process of creating the access layer classes.

23. How 'use cases' can help us in designing the view layer objects?

24. What is a test plan? What steps are followed in developing a test plan?

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