P/ID 17619/PCA5R/ PCATE

Time : Three hours   Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1.   What is an object?

2.   What is meant by 'use case'?

3.   Name the relationships in use case diagram.

4.   Define the term attribute.

5.   What are some common associations?

6.   What are unnecessary attributes?

7.   Mention the types of coupling.

8.   Write the properties of 'a-part-of' relationship.

9.   What is the difference between schema and meta-data?

10. Define user-centered interface.

11. What is statement coverage technique?

12. Why do we need to measure user satisfaction?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Describe the advantages of object oriented development.

14. What are the phases of OMT? Describe briefly about each phase.

15. What is the purpose of analysis? Explain.

16. Write the guidelines for identifying 'super-sub' relationship.

17. Describe the object-oriented design axioms.

18. Write the process of designing view layer classes.

19. Describe top-down and bottom-up strategies.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain object-oriented software development.

21. How Classes, Responsibilities and Collaborators are useful? Explain.

22. Describe single and multiple inheritance.

23. Explain the design of UI rules.

24. Discuss in detail on usability testing.

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