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Question Paper Code: 45203

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Fifth Semester

Computer Science and Engineering

14UCS503 - OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to Information Technology)

(Regulation 2014)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. What is association?
2. What is the main difference between static and dynamic models?
3. What is cohesion?
4. What is pattern?
5. Compare aggregation and composition.
6. Define Events, States, and Transitions.
7. What is meant by Inter-System SSDs?
8. Give the use of UML interaction diagram.
9. Define Guard conditions.
10. How integration testing is done?
11. List the three perspectives to apply UML.

12. “Object Orientation supports abstraction at a higher level when compare to the top down approach”. Do you agree? Justify your answer.
13. What is pattern?
14. What is Low coupling?
15. Compare aggregation and composition.

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. What do you mean by unified process in OOAD? Explain the process with suitable diagrams? (10)
17. Designing the use case realizations with GoF design patterns. (10)
18. Explain the following with example (i) Conceptual class diagram (ii) Activity diagram. (10)
19. How would you identify attributes and methods? Discuss about various approaches for identifying classes. (10)
20. Explain in detail the operations of mapping design to code. (10)