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Question Paper Code: 35203

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Fifth Semester

Computer Science and Engineering

01UCS503 – OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to Information Technology)

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

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?

PART - B (5 x 16 = 80 Marks)

11. (a) Briefly explain the different phases of unified process? (16)

Or

(b) List out various UML diagrams and explain the purpose of each diagram. (16)

12. (a) With an example, illustrate the use cases for include, extend and generalize relationship. (16)

Or

(b) What are design pattern? Explain creational, structural and behavioral design pattern in detail. (16)

13. (a) Elaborate on the POS generation systems. (16)

Or

(b) Explain about the conceptual classes in detail. (16)

14. (a) What is the use of class diagram? Explain different terms used in class diagram with example. (16)

Or

(b) What are types of UML interaction diagrams? Brief it for library management system. (16)

15. (a) Explain about class testing and integration testing. (16)

Or

(b) What is GUI testing? Explain various interface elements tested by GUI testing. (16)