Reg. No. :

Question Paper Code: 35203

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

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. List the three perspectives to apply UML.

2. "Object Orientation supports abstraction at a higher level when compare to the top down approach". Do you agree? Justify your answer.

3. What is pattern?

4. What is Low coupling?

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. What are the various types of object oriented system testing?

PART - B (5 x 16 = 80 Marks)

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

13. (a) Explain with an example, how use case modeling is used to describe functional requirements. Identify the actors, scenarios and use cases for example. (16)

Or

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

14. (a) Draw the sequence diagram and class diagram for library management system. (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) Analyze the issues in object oriented testing. (16)

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