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Question Paper Code: 35023

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

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 the main difference between static and dynamic models?
2. List the three perspectives to apply UML.
3. What is pattern?
4. What is Low coupling?
5. Compare aggregation and composition.
6. List out the steps for finding use cases.
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) Define activity diagram. Draw a activity diagram for library member. (16)

Or

(b) Briefly explain the different phases of unified process. (16)

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

Or

(b) What is GRASP? Explain the designing objects and responsibilities in detail. (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 activity diagram with an example. (16)

14. (a) Draw the sequence diagram and class diagram for library management system. (16)

Or

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