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Question Paper Code: 31253

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2016

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. What is the main difference between static and dynamic models?
3. What is Low coupling?
4. What is pattern?
5. Compare aggregation and composition.
6. Define swim lane.
7. What is meant by Inter-System SSDs.
8. How do you represent a node in the deployment diagram? What kind of information can appear in a node?
9. Define Guard conditions.
10. What are the various types of object oriented system testing?

PART - B (5 x 16 = 80 Marks)

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

Or

(b) Define activity diagram. Draw a activity diagram for library member. (16)

12. (a) What is GRASP? Explain the designing objects and responsibilities in detail. (16)

Or

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

13. (a) Elaborate on the POS generation systems. (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 are types of UML interaction diagrams? Brief it for library management system. (16)

15. (a) Analyze the issues in object oriented testing. (16)

Or

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