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Question Paper Code: 35203

B.E. / B.Tech. DEGREE EXAMINATION, NOV 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 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. 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) Define activity diagram. Draw a activity diagram for library member. (16)

Or

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

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

Or

(b) What are design pattern? Explain creational, structural and behavioral design pattern 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 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)