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Question Paper Code: 55202

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

Fifth Semester

Computer Science and Engineering

15UCS502 - Object Oriented Analysis and Design

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. What is the programming style of the object oriented conceptual model?
(a) Invariant relationships (b) Algorithms
(c) Classes and objects (d) Goals, often expressed in a predicate calculus
2. Abstraction is classified into _____ types.
(a) 4 (b) 3 (c) 2 (d) 1
3. In which of the following mechanisms, types of all variables and expressions are not known until runtime
(a) Strong Typing (b) Weak Typing
(c) Static Binding/ early binding (d) Dynamic Binding/ late binding
4. Single inheritance, Multiple inheritance, and Aggregation comes under
(a) Modularity (b) Typing
(c) Hierarchy (d) None of these
5. Which of the following is a part of testing OO code?
(a) Validation tests (b) Integration tests
(c) Class tests (d) System tests

PART - B (5 x 3 = 15 Marks)

6. What is object oriented analysis and design?
7. Explain activity diagrams.

8. How would you identify attributes?
9. How to create domain model?
10. Define: Events, States and Transitions..

PART - C (5 x 16 = 80 Marks)

11. (a) Explain about Unified process phases. (16)
Or
(b) Apply interactive modeling for a payroll system in UML (16)
 12. (a) What is activity diagram? Explain about its applications briefly. (16)
Or
(b) Discover the concept of domain model with examples. (16)
 13. (a) Explain about Interaction diagram Notation. (16)
Or
(b) Design the model and creating design class diagrams. (16)
 14. (a) Explain GRASP: Patterns of General Principles in Assigning Responsibilities. (16)
Or
(b) Illustrate the concept of domain model with examples. (16)
 15. (a) Explain the operation of mapping designs to code. (16)
Or
(b) What is the operation of contracts works? (16)
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