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Code No.: 9124 M

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
M.Tech. I Year (CSE) I-Semester (Make Up) Examinations, March-2016

Object Oriented Software Engineering

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE questions from Part-B

Part-A (10 X 2=20 Marks)

1. "Software doesn't wear out" justify.
2. Define an Information system.
3. Requirement analysis is an important activity in OOSE? Justify your answer.
4. Discuss purpose of existing system analysis.
5. Differentiate Generalization from Specialization by proper example.
6. Discuss different relationships exists in class diagram and briefly mention their purpose.
7. Why verification is important in software testing?
8. Differentiate block box and white box testing.
9. Draw the activity diagram for the activities involved in writing a text book.
10. Differentiate coupling and cohesion.

Part-B (5 X 10=50 Marks)

11. a) Discuss various reasons for quality problems. (5)
b) Discuss different phases in Water fall model. (5)
12. Discuss different fact finding techniques to capture requirements. (10)
13. a) Discuss different algorithmic approaches for operation specification. (5)
b) Explain life cycle approach to construct state diagram with an example. (5)
14. Discuss objectives and constraints of good design. (10)
15. What is the importance of UML diagrams in Object Oriented Software Engineering?
Explain their significance with appropriate example. (10)
16. a) Explain different CASE tools used in software system development. (6)
b) Discuss different levels of testing. (4)
17. Write short note on
a) Collaboration diagram (4)
b) Regression testing (3)
c) Advantage of Design Patterns in OO design (3)
