

SRM University, Kattankulathur
Faculty of Engineering and Technology, Department of Information Technology
15IT311 – SYSTEM INTEGRATION ARCHITECTURE
Cycle Test 2

SET D

PART B (Answer any 5)

5*4=20 Marks

21. List out the minimum conditions for loop testing: Simple loops
22. Provide a neat sketch on Business process reengineering
23. Explain proactive and reactive risk management
24. What is a task set for Project Planning?
25. State the difference between Function point Estimation and Lines of Code.
26. What is the need for System Integration and what is EAI.
27. Write notes on “ACID” properties related to transactions.

PART C (Answer all Questions)

5*12=60 Marks

28. a) Explain Unit Testing and Integration testing with examples along with a neat sketch.

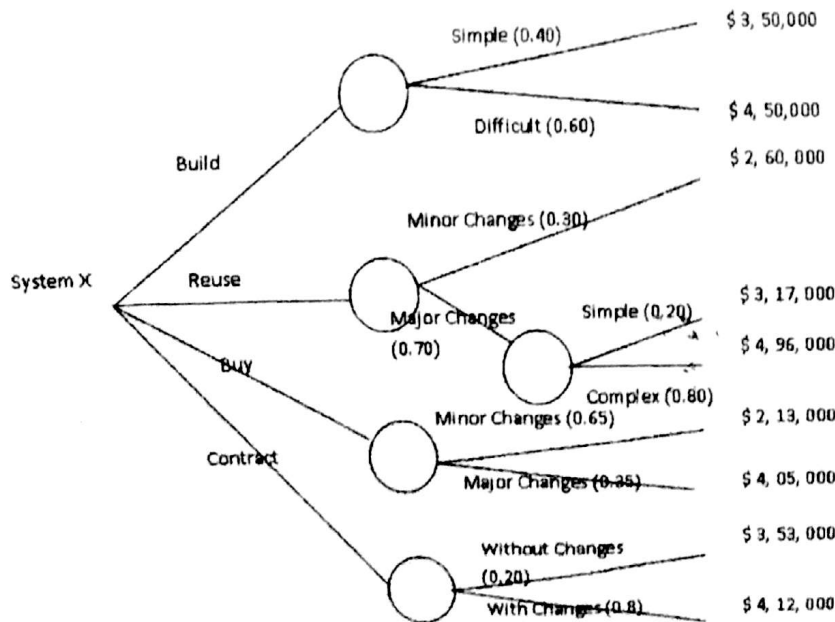
(OR)

- b) Describe two black box testing techniques. Use Suitable example for your explanation along with a neat sketch.

29. a) Write out the guidelines in process metrics and list the various process metrics

(OR)

- b) If the system is to be built from scratch, there is a 60 percent probability that the job will be difficult. Using the estimation techniques discussed, the project planner estimates that a difficult development effort will cost \$450,000. A “simple” development effort is estimated to cost \$350,000.



Recompute the expected values noted for the decision tree given above assuming that every branch has a 50-50 probability. Find the appropriate decision by calculating the expected cost to build, reuse, buy, contract.?