

B.E DEGREE EXAMINATIONS: MAY/JUNE 2013

Fifth Semester

COMPUTER SCIENCE & ENGINEERING

CSE113:Software Engineering

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. The most important feature of spiral model is
 - a) requirement analysis.
 - b) risk management
 - c) quality management.
 - d) configuration management.
2. If every requirement stated in the Software Requirement Specification (SRS) has only one interpretation, SRS is said to be
 - a) correct
 - b) unambiguous
 - c) consistent
 - d) verifiable.
3. The frozen requirements, where _____.
 - a) requirements change over time
 - b) requirements doesn't change over time
 - c) no requirements at all
 - d) None of the above
4. Scenario based model is mostly used to draw _____
 - a) use case diagram
 - b) state diagram
 - c) sequence diagram
 - d) activity diagram
5. The feature of the object oriented paradigm which helps code reuse is
 - a) object
 - b) class
 - c) inheritance
 - d) aggregation
6. The desired level of coupling is
 - a) No coupling
 - b) Control coupling
 - c) Common coupling
 - d) Data coupling
7. Alpha and Beta Testing are forms of
 - a) Acceptance testing
 - b) Integration testing
 - c) System testing
 - d) Unit testing
8. For a function of two variables, boundary value analysis yields
 - a) $4n + 3$ test cases
 - b) $4n + 1$ test cases
 - c) $n + 4$
 - d) None of the above

23. a) Discuss about how data flow is mapped into software architecture. (6)
- (OR)**
- b) (i) What do you mean by Cohesion? Explain the various types of cohesion. (6)
(ii) What do you mean by design Pattern? How are they described? State the various types of design patterns? (8)
24. a) (i) What is the purpose of Testing? Explain various strategies for testing. (6)
(ii) Explain about the Unit and Integration testing's and their need. (8)
- (OR)**
- b) (i) Explain Stress and Regression Testing. (6)
(ii) Write about Software Configuration Management. (8)
25. a) (i) Explain about the importance of measurement in Software Development. (6)
(ii) Write short notes on Object oriented and use case oriented metrics. (8)
- (OR)**
- b) Write short notes on
(a) Software Reengineering (6)
(b) COCOMO Model (8)
