



**MCA DEGREE EXAMINATIONS: MAY 2015**

(Regulation 2013)

Third Semester

**MASTER OF COMPUTER APPLICATIONS**

P13CAT304 : Software Engineering

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 2 = 20 Marks)**

1. What is a spike solution in XP?
2. Why does an iterative process make it easier to manage change?
3. Develop at least three questions that you might ask the stakeholder during inception.
4. Why requirement gathering is essential?
5. What is the difference between procedural abstraction and data abstraction?
6. What is purpose of CRC modeling?
7. Define: Unit Testing.
8. Give the difference between equivalence partitioning and boundary value analysis.
9. Compare software configuration management and maintenance.
10. Define: baseline.

**Answer any FIVE Questions:-**

**PART B (5 x 16 = 80 Marks)**

**Q.No:11 is Compulsory**

11. (i) Derive a flow graph for your own program and apply basis path testing to develop test cases that will guarantee that all statements in the program have been tested. (8)
- (ii) Discuss about formal technical review (FTR). (8)
12. List and explain the distinguished features available in waterfall model and spiral model with neat diagram.

13. Explain requirements engineering tasks in detail.
14. What is software architecture? Explain about architectural styles with neat diagram.
15. Write a note on  
(a) Integration testing. (8)  
(b) Black box testing. (8)
16. (i) Elaborate business process reengineering in detail. (8)  
(ii) What are all the decisions to be taken in change control process in SCM? (8)

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