

18. (a) Discuss about object oriented paradigm.

Or

(b) Explain the concept of Reuse.

19. (a) Explain about other semiformal techniques.

Or

(b) Discuss finite state machine in detail.

20. (a) Describe the integration architecture.

Or

(b) Explain the cyclomatic complexity a white box testing method in detail.

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M.C.A. (CBCS) DEGREE EXAMINATION,
APRIL 2013.

Fourth Semester

Computer Applications

SOFTWARE ENGINEERING

(For those who joined in July 2008 – 2011)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

1. Define software quality.
2. What is the use of documentation?
3. What is a design walkthrough?
4. What is the use of functional testing?
5. What is inheritance?
6. What is information hiding?



7. Define Petri Nets.
8. What for requirement analysis?
9. What are the different integration and testing tools?
10. Give any two reasons for using black-box testing.

PART B — (5 × 5 = 25 marks)

Answer ALL the questions, choosing either (a) or (b).

11. (a) Explain in detail about the requirements workflow.

Or

- (b) Write about the test workflow in detail.

12. (a) Explain different software versions in detail.

Or

- (b) Discuss about productivity gains with CASE technology.

13. (a) Write short note on Information hiding.

Or

- (b) Explain in detail about Inheritance.

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14. (a) What are the different requirement CASE tools? Explain.

Or

- (b) Write a short note on classical analysis.

15. (a) Discuss about real time design techniques.

Or

- (b) What are the different CASE tools for implementation? Explain.

PART C — (5 × 8 = 40 marks)

Answer ALL the questions, choosing either (a) or (b).

16. (a) Discuss briefly about system testing.

Or

- (b) Explain the following:

- (i) Analysis workflow

- (ii) Implementation workflow.

17. (a) Write a detailed note on configuration control.

Or

- (b) When testing stops? Explain.

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