



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIFTH SEMESTER – NOVEMBER 2013

CS 5505/CS 5502 – SOFTWARE ENGINEERING

Date : 07/11/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL Questions:

(10x2=20)

1. Define Software engineering.
2. What is Software Metrics?
3. Define Cardinality.
4. What is Data Dictionary?
5. What is DRE?
6. Define Reactive and Proactive Risk.
7. What is Data Abstraction?
8. What is Cohesion?
9. What is Software Testing?
10. Write down the purpose of white box testing.

PART – B

Answer ALL Questions:

(5x8=40)

11. (a) Explain Software Myths in detail.
(or)
(b) Briefly explain about Software Metrics.
12. (a) Write a short notes on Software Configuration Management.
(or)
(b) What is Software Prototyping ? Explain.
13. (a) Briefly explain about Jackson System Development?
(or)
(b) Explain a) Cardinality b)Modality.
14. (a) Explain the Software design concepts.
(or)
(b) Explain about Analysis Modeling and its types.
15. (a) Discuss briefly about the Software Testing Objectives and its Principles.
(or)
(b) Explain about the McCall's Quality factors.

PART – C

Answer TWO Questions:

(2x20=40)

- 16 . (a) Explain Linear Sequential model in detail and write its advantages and disadvantages.
(b) Explain Software Prototyping model in detail.
17. (a) Explain about Spiral Model.
(b) Explain Design Concepts of Software in detail.
18. (a) Explain a)Black box testing b) The Debugging process.
(b) Explain Software Project Planning.

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