LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**M.Sc.** DEGREE EXAMINATION – **COMPUTER SCIENCE**

FIRST SEMESTER – NOVEMBER 2010

# CS 1813 - SOFTWARE ENGINEERING METHODOLOGY

Date : 03-11-10 Dept. No. Max. : 100 Marks

Time : 1:00 - 4:00

**PART – A 10x2 = 20 marks**

# Answer all

1. Write any two management myths of software.

2. Mention the two characteristics of risk.

3. What are all the areas of effort for requirement analysis?

4. What is QFD?

5. List out any four design concepts.

6. Define the term: Functional independence.

7. What are all the areas of concern for interface design.

8. What is version control?

9. Mention the benefits of software review..

10. What is debugging?

**PART – B 5x8 = 40 marks**

## Answer all

11.a).Explain about water fall model process model.

(or)

b) Explain about 3 P’s in project management.

12.a).Write a short note on software prototyping.

(or)

b) Explain about the different levels of DFD with an example.

13.a) List out the design principles of software design.

(or)

b).Write a short note about the following

(i) Abstraction (ii) Refinement

14.a) Write the guidelines for information display in interface design

(or)

b) Write short note on software configuration item with a neat diagram.

15. a) Explain about McCall’s quality factor with a neat diagram.

(or)

b).Write a short note on debugging process..

**PART- C 2x 20 =40 marks**

## Answer any Two

16. a).Explain in detail about Grady’s Process Metrics.

b). Explain in detail about analysis model with neat diagram.

17.a) Explain in detail about any five design concepts.

b).Explain in detail about baseline with neat diagram.

18. a). Explain in detail about Graph matrices of testing.

b) “ Quality is the most important term for the growth of software industry ”- justify.

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