

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2009

**CS 1813 - SOFTWARE ENGINEERING METHODOLOGY**

Date & Time: 09/11/2009 / 1:00 - 4:00 Dept. No.

Max. : 100 Marks

**PART – A**

**10x2 = 20 marks**

**Answer all**

1. Define the term: Software engineering.
2. What is indicator?
3. List out the four risk components.
4. Define the term: cardinality
5. What is modularity?
6. Define the term: Cohesion.
7. List out any two design principles
8. Define the term: baseline
9. What is software quality?
10. What is debugging of software.

**PART – B**

**5x8 = 40 marks**

***Answer all***

- 11.a). Write a short note on different players in software project management.  
(or)  
b). Explain about the various reusable resources of software.
- 12.a). Explain about various prototyping methods and tools  
(or)  
b). Write a short note on E-R diagram.
- 13.a). Explain the McLaughlin characteristics and guidelines for good design.  
(or)  
b). Write a short note on module cohesion.
- 14.a) Write short notes on human- computer interface design  
(or)  
b). Explain about the interface guideline standard.
15. a) Write a short note on quality concepts.  
(or)  
b). Explain the different testing principles of software.

***Answer any Two***

16. a). Explain in detail about Empirical estimation model .
- b). Explain in detail about communication techniques in requirement analysis.
17. a) Explain in detail about Basic design principles of software.
- b). Discuss in detail about the change control process of software configuration management.
18. a) Explain in detail about cost of Quality in software quality assurance.
- b) Explain in detail about basis path testing.

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