



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - COMPUTER SC.

FIRST SEMESTER – APRIL 2013

CS 1813 - SOFTWARE ENGINEERING METHODOLOGY

Date : 03/05/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

PART – A

10x2 = 20 marks

Answer all

1. List out the any two characteristics of software.
2. What are the two types of risk strategies?
3. List out any four elements of analysis model.
4. What is data dictionary?
5. List out any two characteristics of good design.
6. Mention any four types of cohesion.
7. Write any two categories of users in interface design model.
8. What is the purpose of code documentation?
9. Define the term: Quality.
10. What is black-box testing?

PART – B

5x8 = 40 marks

Answer all

- 11.a).Write a short note on different applications of software.
(or)
b).Explain about the different types of software team suggested by Montei
- 12.a).Write a short note on cardinality and modality.
(or)
b).Explain about various prototyping methods and tools.(287)
- 13.a).Explain about the basic design principles for a software.
(or)
b).Write short notes on coupling with a neat diagram.
- 14.a) Explain about various guidelines and standard for interface design.
(or)
b).Explain baseline with a neat diagram.
15. a)Write a short note on characteristics of testable software.
(or)
b) Explain about various activities of Software quality assurance.

Answer any Two

16. a). Explain in detail about prototyping model.
b). Explain in detail about DFD diagram with suitable example.
17. a). Explain about fundamental software design concept in detail.
b). Explain in detail about change control process of SCM.
18. a). Discuss in detail about cyclomatic complexity with an example.
b) Explain in detail about debugging process with a neat diagram.
