

C 28408

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Name

Reg. No. ....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JULY 2012

(CUCSS)

CSC2 C03—SOFTWARE ENGINEERING

(2010 admissions)

Maximum : 36 Weightage

Time : Three Hours

Part A

*Answer all questions.*

*Each question carries 1 weightage.*

1. Define a process.
2. What are the basic building blocks of software engineering ?
3. How is scope of a software project defined ?
4. What is dependable software ?
5. Define fault and error.
6. What is the use of PERT chart ?
7. What is COCOMO ?
8. What is the use of case analysis ?
9. Define software quality.
10. What is a task network ?
11. What is peer review ?
12. What is test harnessing ?

(12 x 1 = 12 weightage)

Part B

*Answer any six questions.*

*Each question carries 2 weightage.*

13. Which is important process or product ? Explain.
14. What are different organizational paradigms for software team ?
15. Differentiate software quality and reliability.
16. Explain content of SQA plan.
17. What is requirement elicitation ? Explain.
18. What are the measures of software availability ? Explain.

Turn over



19. What is risk projection ? How a risk table is development ?
20. How real time systems are tested ?
21. What is defect ? Explain defect amplification and removal.

(6 x 2 = 12 weightage)

### Part C

*Answer any three questions.*

*Each question carries 4 weightage.*

22. What is a software process model ? Explain any *two* process models.
23. What are various co-ordination and communication issues of a project ? Discuss co-ordination techniques.
24. Outline Software Quality Assurance activities.
25. What is risk analysis ? How is risk assessment carried out ?
26. What is software review ? Discuss review techniques.
27. Describe software test methodologies.

(3 x 4 = 12 weightage)