C 44082

Name

Reg. No· · · · · · · · · · · · · · ·

SECOND SEMESTER M.Sc. DEGREE EXAMINATION AUGUST 2013

(CUCSS)

Computer Science

CSC 2C 03 – SOFTWARE ENGINEERING

(2010 Admissions)

Maximum : 36 Weightage

Time : Three Hours

Part A

Answer **all** *questions.*
Each question carries a weightage of 1.

1. Define a process.
2. Why software development is considered as an Engineering activity?
3. What is scope of a software project?
4. What is PM-CMM?
5. What are open and closed team organizations?
6. Define software safety.
7. What is the use of DFD?
8. Define fault and failure.
9. What is a use case?
10. Differentiate System engineering and Software engineering.
11. What is an equivalence class?
12. What is a test plan?

(12 x 1   12 weightage)

Part B

Answer any **six** *questions.*
Each question carries a weightage of 2.

13. Differentiate Process and Product.
14. How People, Product and Project are related?

Turn over

15. Discuss different team organizations.

16. Explain formal methods used in software design.

17. Define software availability. Obtain an expression for the same.

18. Discuss software verification and validation.

19. Explain how a peer review is conducted.

20. Explain graph based testing methods.

21. Explain how client/server architecture is tested?

(6 x 2 = 12 weightage)

Part C

Answer any **three** *questions.*

Each question carries a weightage of 4.

22. What is a software process model? Explain any *two* process models.

23. What is software risk? Discuss risk analysis and mitigation techniques.

24. Describe software effort estimation techniques.

25. What are the various steps of software requirement analysis?

26. Outline software testing techniques.

(3 x 4 = 12 weightage)