



M 11376

Reg. No. :

Name :

V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.M./B.C.A./B.S.W.

Degree (CCSS-Regular) Examination, November 2011

CORE COURSE IN COMPUTER SCIENCE

5 B08 CSC : Software Engineering

Time: 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for a bunch of 4 questions is 1.

I. 1) _____ is a discipline that integrates process, methods and tools for the development of computer software.

2) _____ is the first technical step in the software process.

3) Cyclomatic complexity $V(G)$ for a flow graph G is defined as _____

4) FAST stands for _____

1

II. 5) _____ encapsulates data and the procedures that process the data.

6) The coupling that is characterised by passage of control between modules is _____

7) The objective of software testing is to uncover _____

8) A software may be divided into small segments called _____

1

SECTION – B

Answer **any 5** questions. Weightage **1 each**.

9. Define Software Engineering.

1

10. What is meant by software process ?.

1

11. Define Class, Object.

1

P.T.O.



- | | |
|---------------------------------------|---|
| 12. What are software metrics ? | 1 |
| 13. What is multiple inheritance ? | 1 |
| 14. Define cohesion. | 1 |
| 15. What is requirements validation ? | 1 |
| 16. How is alpha testing done ? | 1 |

SECTION – C

Answer **any five** questions. Weightage **2 each** :

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|---|---|
| 17. Explain briefly the waterfall model. | 2 |
| 18. Describe the steps for software requirement analysis. | 2 |
| 19. What is feasibility ? Which are the techniques applied to select a feasible project ? | 2 |
| 20. Explain coupling. | 2 |
| 21. Explain how to perform equivalence class testing. | 2 |
| 22. Write on software metrics. | 2 |
| 23. Describe the types of requirements identified by quality function deployment. | 2 |
| 24. Write on the steps applied for deriving test cases. | 2 |

SECTION – D

Answer **any one** question. Weightage **4**.

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|--|---|
| 25. Explain evolutionary process model. | 4 |
| 26. Describe : | |
| a) Graph matrices | 2 |
| b) Any 2 methods of integration testing. | 2 |