

B. E. 6th Semester (I.T.) Examination, May-2011

PRINCIPLES OF SOFTWARE ENGG.

Paper-CSE-302-E

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt any five questions. All questions carry equal marks.

1. (a) Explain incremental model for software development. 10
(b) What is software crisis ? 5
(c) Explain two myths of software development. 5
2. (a) Explain the process of FPA. 15
(b) Differentiate between process and project metrics. 5
3. (a) Explain the good characteristics of SRS. 10
(b) Differentiate between data and functional modelling. 10
4. (a) Discuss abstraction and structural partitioning for designing software. 10
(b) What is functional independence ? 10

5. (a) Explain any five testing principles. 10
(b) Differentiate between verification and validation. 10
6. Explain recovery testing, security testing and stress testing. 20
7. (a) How do you perform formal technical reviews ? 10
(b) Explain the role of configuration management. 10
8. Write short notes on : 20
(a) DFD
(b) Coupling
(c) Black box testing
(d) CASE Tools.