

(CSE 411)

IV/IV B.Tech. DEGREE EXAMINATION, APRIL 2005.

First Semester

ADVANCED SOFTWARE ENGINEERING

Time : Three hours

Maximum : 70 marks

All questions carry equal marks.

Answer Question No. 1 compulsorily.

(1 × 14 = 14)

Answer ONE question from each Unit.

(4 × 14 = 56)

1. (a) What are the layers of S/W engg. process?
- (b) What is CMMI?
- (c) What is reengineering?
- (d) Define a system analyst.
- (e) List the economics of CBSE.
- (f) What are different function oriented metrics?
- (g) Define the terms version control and change control.
- (h) List the building blocks of CASE.
- (i) Mention the layers of SCM process.

- (j) Define Risk projection.
- (k) What are the different categories of risks identified?
- (l) What is RMMM plan?
- (m) What are the steps involved in forward engg. user interfaces?
- (n) Explain restructuring.

UNIT I

- 2. (a) What are the metrics for OO projects? (8)
- (b) Discuss about metrics for S/W quantity. (6)

Or

- (c) What factors are to be considered when forming a S/W engg. team? (6)
- (d) Explain W^oHH principle. (8)

UNIT II

- 3. (a) What are the features of SCM? (6)
- (b) Explain about content management system. (8)

Or

- (c) Explain how OOA and OOD can be tested. (8)
- (d) Discuss about technical metrics for OO systems. (6)

UNIT III

4. (a) Explain briefly about Object Constraint Language (OCL). (8)
(b) Explain the design approach used in clean room design. (6)

Or

- (c) What are the tasks conducted in clean room S/W engg.? (8)
(d) Explain the basic architecture of CORBA. (6)

UNIT IV

5. (a) What are the various attributes of web applications? (8)
(b) What are the frame work activities for Web E process? (6)

Or

- (c) Explain different activities in Business Process Reengg. (BPR). (8)
(d) Explain the process of reverse engineering. (6)