B. Tech Degree V Semester (Supplementary) Examination July 2010

CS/IT 503 SOFTWARE ENGINEERING

(2006 *Scheme*)

Time: 3 Hours Maximum Marks: 100

PART A

(Answer ***ALL*** questions)

(8 x 5 =40)

I. a. Distinguish prototyping model and spiral model.
b. Show any two examples each for coupling and cohesion.
c. Explain what is transform analysis.
d. Explain CMM levels 4 and 5 in detail with their key process areas.
e. Explain the principle behind COCOMO model.
f. Distinguish reviews and audits.
g. Distinguish directing and controlling in management.
h. Explain what is CASE Work bench.

PART B

(4 x 15=60)

II. Prepare a SRS for a library information system of your college. Make your pure assumptions. Follow IEEE standards.

OR

III. Prepare a DFD for a typical ATM transactions. Make your own assumptions.

IV. Explain all types of coupling with examples. Distinguish it from Cohesion's concept.

OR

V. Distinguish transform analysis and transaction analysis in detail with diagrams.

VI. Explain CMM levels in detail clearly showing key process areas of all levels.

OR

VII. Explain ISO 9000 model in detail. Compare it with CMM.

VIII. Explain CASE Tools, their life cycle and classification.

OR

IX. With a case study illustrate working of COCOMO model.

***