MCA DEGREE IV SEMESTER EXAMINATION APRIL 2013

CAS 2404 SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours   Maximum Marks: 50

PART A
(Answer *ALL* questions)

$(15 \times 2 = 30)$

I.
    (a) What is software project management?
    (b) What are the major issues of software engineering?
    (c) Distinguish line and staff organization.

II.
    (a) What is an incremental delivery of a project?
    (b) What is strategic assessment?
    (c) Briefly explain V-process model.

III.
    (a) What are cost drivers for COCOMO?
    (b) What are the problems with over and under estimates?
    (c) What are the steps in a procedural code oriented approach?

IV.
    (a) What is forward pass and backward pass?
    (b) What is critical path analysis?
    (c) What are the five strategies for risk reduction?

V.
    (a) What is prioritizing monitoring?
    (b) Explain cost monitoring.
    (c) Explain leadership styles.

PART B

$(5 \times 4 = 20)$

VI. A.   Explain stepwise project planning.
                           OR
     B.   Explain directing and controlling a software project.

VII. A.   Explain spiral model in detail.
                           OR
     B.   What are the steps for evaluating a project? Explain briefly.

VIII. A.   Explain COCOMO model in detail.
                           OR
     B.   Explain software effort estimation techniques.

IX. A.   Explain risk management.
                           OR
     B.   Explain the application and concept of a network planning model.

X.   A.   Explain earned value analysers.
                           OR
     B.   Explain organizational structure.

***