E - JUN 2006

Subject Code—4379-X

M.C.S. EXAMINATION

June, 2006

(Third Semester)

(Re-appear)

MS-12

SOFTWARE ENGINEERING

Time : 3 *Hours* *Maximum Marks :* 100

Note : Attempt any *Five* questions. All questions carry equal marks.

1. Write short notes on the following :
   (a) Process
   (b) Product
   (c) Indicator
   (d) Metrics
   (e) Measuring Quality
   (f) Project Planning Objectives

P.T.O

(g) Defect Removal Efficiency

(h) Software Sizing

(i) Quality Assurance

(j) Loop Testing.

2. Explain COCOMO model in detail.

3. (a) Compare RAD model with Incremental Model.

   (b) Explain Spinal Model.

4. (a) Describe the difference between process and project metrics in your own words.

   (b) Performance is an important consideration during planning. Discuss how performance can be interpreted differently depending upon the software application area.

5. Write short notes on the following :

   (a) Formal Technical Reviews

   (b) Software Reliability

   (c) Information Flow Modelling

   (d) Software Prototyping.

6. (a) Explain white box and black box testing.

   (b) Discuss concept of information hiding in your own words.

7. (a) Explain concept of Modularity.

   (b) Explain Cohesion and Coupling.

8. When should a modular design be implemented as monolithic software ? How can this be accomplished ? Is performance the only justification for implementation of monolithic software ?