09282

MCA (Revised)

Term-End Examination
December, 2013

MCS-034 : SOFTWARE ENGINEERING

Time : 3 hours   *Maximum Marks : **100***
(Weightage : 75%)

Note :   *Question No. 1 is **Compulsory**. Attempt **any three** questions from the rest.*

1. (a)   Describe the cocomo model in detail for   **10**
           s/w cost estimation.

    (b)   Describe Component Based s/w   **10**
          Engineering. What are the challenges for
          it ?

    (c)   With the help of a neat diagram, explain   **10**
          the Spiral model to develop the s/w.

    (d)   Draw a control flow graph (CFG) for a   **10**
          simple C program with a looping-construct
          within it.

2. (a)   Explain the "Risk Manager Tool" with the   **10**
          help of a neat diagram.

    (b)   Describe various attributes of software   **10**
          quality.

3. (a) Explain any 4 issues or challenges for managing the web-based projects. **10**

   (b) Describe the features of Java Device Test Suite (JDTS) and its applications. **10**

4. (a) Explain the s/w Re-engineering life cycle with the help of a suitable illustrative project. **10**

   (b) What is meant by s/w matrics ? Explain the parameters for s/w measurement. Also explain some of the common s/w measures. **10**

5. Write short notes on the following : **20**

   (a) Human Computer Interface design

   (b) s/w Reliability

   (c) Cohesion

   (d) M/D let