13789

MCA (Revised)

Term-End Examination

June, 2010

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) How does software differ from other Engineering products ? Explain with appropriate examples. 10

(b) Briefly discuss the following : 6
 (i) Testing Activities
 (ii) Testing tools

(c) Explain the various issues of Management of web-based projects. 6

(d) What are the goals and limitations of formal specification using formal methods ? Explain in brief. 6

(e) Differentiate software, program and algorithm on relevant attributes. 6

(f) Software does not wear-out. Comment and justify. 6

2. (a) Explain the different phases of Waterfall Model in detail.   **10**

(b) What do you understand by the term software development life cycle ? Explain.   **10**

3. (a) What are the various levels of testing ? Explain with examples.   **10**

(b) Briefly discuss about the risk management.   **10**

4. (a) Define the term baseline. Explain the design specification for baseline.   **10**

(b) What are CASE tools ? Briefly explain the characteristics of a successful CASE tools.   **10**

5. (a) With a neat diagram explain the software configuration management.   **10**

(b) Discuss about the overview of clean room Software Engineering Development.   **10**

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