Code: 9F00304

MCA III Semester Regular & Supplementary Examinations January 2015

SOFTWARE ENGINEERING

(For Students admitted in 2009, 2010, 2011, 2012 & 2013)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions

All questions carry equal marks

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1   (a)   Explain CMMI model.
    (b)   Write various software myths.

2   (a)   Write about unified process model.
    (b)   Explain WINWIN spiral model.

3   (a)   Explain the requirement validation.
    (b)   Explain the software requirement specification.

4   (a)   What is architecture and explain its importance?
    (b)   Explain the class based component design.

5   (a)   Briefly explain about user interface design.
    (b)   Explain pattern based software design.

6   (a)   Explain about integration testing.
    (b)   Explain about object oriented software.

7   (a)   Explain the cyclomatic complexity.
    (b)   Explain the interclass test case design.

8   (a)   What is a metric? What are the metrics for the software quality?
    (b)   Explain about software reengineering process model.

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