

MCA DEGREE III SEMESTER EXAMINATION NOVEMBER 2013

CAS 2303/2304 SOFTWARE ENGINEERING
(Old Scheme – upto 2009 Admissions)
(Supplementary)

Time: 3 Hours

Maximum Marks: 50

PART A
 (Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) Write a note on various process maturity levels.
 (b) Explain W⁵HH principle in detail.
 (c) Write the general characteristics of software.
- II. (a) What is meant by software scope?
 (b) Write a note on software equation model.
 (c) Explain algorithmic cost models briefly.
- III. (a) Explain the concept of configuration audit.
 (b) What is meant by version control?
 (c) Write a note on control hierarchy.
- IV. (a) Write a note on cyclomatic complexity.
 (b) Explain boundary value analysis.
 (c) What is meant by equivalence partitioning?
- V. (a) Write the role of the repository in I-CASE?
 (b) Write a note on function oriented metrics.
 (c) Write various types of software maintenance.

PART B

(5 × 4 = 20)

- VI. A. Describe the prototype model in detail.
 OR
 B. Explain incremental model and spiral model in detail.
- VII. A. Explain Delphi Cost Estimation technique in detail.
 OR
 B. Compare and explain various cost estimation models in detail.
- VIII. A. Describe the SCM process in detail.
 OR
 B. Explain the concept of effective modular design.
- IX. A. Explain the concept of regression testing and smoke testing.
 OR
 B. Describe the control structure testing in detail.
- X. A. Explain the software maintenance process in detail.
 OR
 B. Describe the building blocks for CASE in detail.
