



PG – 504

IV Semester M.C.A. Examination, June 2016
(CBCS)
COMPUTER SCIENCE
MCA – 403T : Advanced Software Engineering

Time : 3 Hours

Max. Marks : 70

PART – A

Answer any five questions.

(5×6 = 30)

1. Define Agility. Explain principles of Agility.
2. Explain cleanroom strategy.
3. What are the different approaches to the software sizing problem ?
4. What are the ways of tracking the schedule ?
5. Explain Risk monitoring and management.
6. Which are the critical success factors of Software Process Improvement ?
7. Briefly explain the SCM process.
8. Explain object oriented Metrics.

PART – B

Answer any four questions.

(4×10 = 40)

9. Explain different components of the Design pyramid. 10
10. Explain the formal specification languages :
 - a) Object constraint language 5
 - b) Z specification language. 5
11. a) How estimation is done for object oriented projects ? 4
- b) Explain COCOMO II model. 6
12. a) Explain Software Reengineering process model. 4
- b) Explain forward engineering in detail. 6
13. Write short notes on :
 - a) CMMI 5
 - b) SPI frameworks. 5
14. With an algorithm explain the change management. 10