

IV Semester M.C.A. Examination, June 2017
(CBCS)
COMPUTER SCIENCE
MCA 403 T : Advanced Software Engineering

Time : 3 Hours

Max. Marks : 70

Instructions : 1) Part A : Answer any five questions.
2) Part B : Answer any four questions.

PART – A

Answer any five questions. (5×6=30)

1. What is agile process ? With neat diagram explain extreme programming process.
2. Write a note on functional specification in clean room modeling.
3. Explain Bohem's W5HH principles.
4. Discuss basic principles of project scheduling.
5. Describe CMMI capability levels.
6. Write a note on function point based metrics for requirement model.
7. What is software risk ? Explain different categories of risk.
8. Write a note on four 'P's' of project management.

PART – B

Answer any four questions : (4×10=40)

9. Explain design pyramid of web application.
10. Discuss in detail the software measurement approaches.
11. What is reverse engineering ? Explain process of reverse engineering.
12. Describe in detail software process improvement activities.
13. With neat diagram explain software configuration management process.
14. Write short note on :
 - a) Clean room testing. 5
 - b) Object constraint language 5