

M.C.A. DEGREE EXAMINATION, MAY – 2015

Second Year

Paper - I : SOFTWARE ENGINEERING

Time : 3 Hours

Maximum Marks: 75

SECTION - A

Answer any THREE questions

(3×15 = 45)

- 1) Explain the following:
 - a) Process framework
 - b) Prototyping.
- 2) Describe the requirement engineering tasks.
- 3) Discuss about the flow-oriented modeling of analysis model.
- 4) Explain unit testing and integration testing.
- 5) Discuss in detail on function-based metrics for the analysis model.

SECTION – B

Answer any FIVE questions

(5×5 = 25)

- 6) What is software? Write about software evolution.
- 7) Explain Rapid Application Development model.
- 8) Discuss the communication practices of software engineering.
- 9) Explain about development of use-cases for requirement engineering.
- 10) Explain how do you create behavioral model of analysis model.
- 11) Briefly write about design concepts of design engineering.

- 12) Describe the black-box testing.
- 13) Explain about software quality factors.

SECTION-C

Answer ALL questions

(5×1 = 5)

- 14) What is software myth?
- 15) What is team software process?
- 16) What are computer based systems?
- 17) What is the purpose of use-case diagram?
- 18) What is recovery testing?

