

(204CS17)

M.Sc. DEGREE EXAMINATION, APRIL 2018

SECOND SEMESTER

Branch – Computer Science

SOFTWARE ENGINEERING

(New Syllabus for Batch 2017)

Time : 3 Hours

Max. Marks : 70

SECTION – A

Answer any FOUR questions from Part A. Each question carries 5 marks.

(Marks : 4×5 marks = 20 marks)

1. Explain CMMI.
2. Define Process Model? Write the types of Process Models.
3. Explain about software quality assurance.
4. Explain about Data Modeling.
5. Explain user interface design patterns.
6. Differentiate between Validation and Verification.
7. Explain Software re-engineering.
8. Explain control structure testing.

SECTION – B

Answer ALL questions from Part B. Each question carries 12.5 marks.

(Marks : 4×12.5 marks = 50 marks)

UNIT I

9. (a) Define software Engineering. Explain the process of Software Engineering.

Or

- (b) Define process models. Write the types of process models. Explain.

UNIT II

10. (a) Explain Umbrella Activities. Give a neat sketch of umbrella Activity with an example.

Or

- (b) Explain Software Requirements and Requirement modeling.

[P.T.O]

UNIT III

11. (a) Explain the Design Concepts of Software Engineering with an example.

Or

(b) Explain Object Oriented View and how to performing User Interface Design in Software Engineering?

UNIT IV

12. (a) Explain the types of Testing Strategies with an example.

Or

(b) Explain about Software Reengineering activities.
