

B.Tech II Year II Semester (R15) Regular & Supplementary Examinations May/June 2018

SOFTWARE ENGINEERING
(Common to CSE and IT)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- List the drawbacks of spiral model.
 - Differentiate between software process and project.
 - What are Scenarios?
 - What is Flow-oriented model?
 - What is software architecture?
 - Explain about taxonomy of architecture styles.
 - Describe the process in user interface design.
 - What is the component-level design?
 - Write any two strategic issues.
 - What is validation testing?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)**UNIT – I**

- 2 (a) Explain about the evolving role of software.
(b) Describe software myths. Explain various types of software myths.

OR

- 3 (a) Explain briefly about generic process model.
(b) Discuss the process framework activities.

UNIT – II

- 4 Discuss how an ATM is used, develop a set of use cases that could serve as a basis for understanding the requirements for an ATM system.

OR

- 5 (a) Write the difficulty process for Eliciting and understanding requirements from system stakeholders.
(b) Write a short note on requirements modeling strategies.

UNIT – III

- 6 (a) Explain the basic design principles.
(b) Explain about component level design metrics.

OR

- 7 (a) Explain the design concepts in software engineering.
(b) Explain about architecture design in detail.

UNIT – IV

- 8 (a) Briefly discuss the golden rules for the user interface design.
(b) Explain the various steps involved in WebApp interface design.

OR

- 9 (a) Write and explain the interface design steps.
(b) Discuss the design pyramid for WebApp.

UNIT – V

- 10 (a) Describe the test strategies for conventional software.
(b) Explain about unit testing considerations and procedures.

OR

- 11 (a) Explain the test strategies for object-oriented software.
(b) Briefly discuss about Integration testing strategies.
