

Code: 15A05401

B.Tech II Year II Semester (R15) Regular Examinations May/June 2017

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)
- (a) List the types of software process models.
 - (b) Demonstrate the examples of software.
 - (c) Explain domain requirements.
 - (d) What is use case? Explain.
 - (e) List out the steps for conducting component level design.
 - (f) What is software architecture?
 - (g) Write about interface design steps.
 - (h) What is architecture design?
 - (i) Compare verification and validation.
 - (j) Write a short note on Black box testing.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Explain the evolving role of software.
(b) Describe software myths? Discuss on various types of software myths and trust aspects of these myths.

OR

- 3 Explain and contrast perspective process models and iterative process models.

UNIT – II

- 4 (a) Discuss how requirements are elicited and validated in software project.
(b) Discuss about various requirements modeling strategies.

OR

- 5 Give a brief view on patterns for requirements modeling and also requirement modeling in webapps.

UNIT – III

- 6 Explain the following:

- (a) Design process.
- (b) Design model.
- (c) Design concepts.

OR

- 7 Discuss various steps involved in component based development.

UNIT – IV

- 8 (a) Explain the rules of user interface design.
(b) Explain the steps involved in WebApp Interface Design.

OR

- 9 Explain about Content Design and Architecture Design in detail.

UNIT – V

- 10 (a) Explain about the importance of test strategies in conventional software.
(b) Compare white box testing and white box testing.

OR

- 11 Develop a complete test strategy for the safe home system. Document it in a test specification.