

K15F 0166



Reg. No. :

Name :



V Semester B.Tech. Degree (Reg./Sup./Imp. – Including Part Time)
Examination, November 2015
(2006 & Earlier Admn.)

PT EE | PT ME | PT CE | AI | EC | EE | CE | ME | CS | IT 2K 501 :
SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 100

Instruction : Answer all questions.

PART – A

- I. a) Specify the categories of non-functional requirements.
- b) Distinguish between availability and reliability of a software system.
- c) What are the uses of a software prototype in a software development ?
- d) Explain a real time system in a software system.
- e) What is Release testing ? Explain.
- f) Explain the process of safety assurance.
- g) Describe CMM process for improvement framework.
- h) Explain CASE tool for configuration management. (8x5=40 Marks)

PART – B

- II. a) Explain difference tools, workbenches and environments for CASE technology.

OR

- b) Differentiate between context models and behaviour models. 15

- III. a) Explain the principles of agile method for rapid prototyping.

OR

- b) What are the benefits of software re use ? 15



IV. a) What are the factors used in the application assessment of a software.

OR

b) Differentiate between validation testing and defect testing. Explain. **15**

V. a) Describe software configuration management and all their main features. Give their advantages.

OR

b) Explain the concept of the following in terms of software development. **15**

- i) Quality assurance
 - ii) Quality planning
 - iii) Quality control.
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