

Code No: 55029

R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech III Year I Semester Examinations, December - 2014

SOFTWARE ENGINEERING

(Common to CSE & IT)

Time: 3 hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) Discuss the need for a process framework. Explain CMMI.
- b) Distinguish between personal and team process models.
2. Explain the incremental process models, how these are different from evolutionary process models?
- 3.a) What is the meant by method-based analysis? Explain the VORD process model.
- b) State and explain various requirements validation techniques. And also discuss requirements reviews.
- 4.a) State and explain various activities in software design. And also discuss the importance of design phase.
- b) What is meant by data design? Explain with an example.
5. Discuss the following:
 - a) Designing conventional components.
 - b) Designing class-based components.
6. What is meant by testing? Discuss about software testing objectives and testing phases.
- 7.a) What are the categories of software risks? Explain them.
- b) With a neat diagram explain the risk management paradigm.
8. Write short notes on the following:
 - a) Software reliability.
 - b) ISO 9000 quality standards.
 - c) Object models.

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