

III/I CSE

R09

Code No: 09A50505

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech III Year I Semester Examinations, June/July-2014

SOFTWARE ENGINEERING

(Common to CSE, ECE, IT)

Time: 3 hours

Max. Marks: 75

Answer any five questions  
All questions carry equal marks

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- 1.a) Discuss about prototyping model. Explain its merits and demerits.  
b) Illustrate on RAD process model with neat sketch.
2. What is requirements validation? Explain different requirements validation techniques.
- 3.a) Discuss the major problems with the capability maturity model.  
b) Explain about capability assessment process.
- 4.a) What is object model? Explain object models with examples.  
b) Discuss about structured methods.
- 5.a) State why response time variability of user interface can be an issue. Illustrate with examples.  
b) Discuss the design principles that reduce the user's memory load in user interface.
- 6.a) Define and explain about coupling and cohesion. Also differentiate between them.  
b) Discuss the statement, "Abstraction and refinement are complementary concepts".
- 7.a) What is meant by Defect Removal Efficiency (DRE)? How it can be assessed?  
b) Describe the difference between process and project metrics in your own words.
- 8.a) Discuss the steps in Bottom-up integration.  
b) Discuss any four useful indicators for software quality.  
c) Regression testing is an important strategy for reducing "side effects". Discuss.

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