Code No: C0503, C5808
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I - Semester Examinations, March/April - 2011
SOFTWARE DESIGN AND ENGINEERING
(COMMON TO COMPUTER SCIENCE & ENGINEERING, COMPUTER SCIENCE)
Time: 3hours   Max. Marks: 60

Answer any five questions
All questions carry equal marks
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1.a) Distinguish between the terms process, Methods and tools. And also discuss weather every software project requires these desciplines.
  b) Compare the water fall model with incremental process models. [6+6]

2.a) What is meant by non-functional requirements? Discuss their significance for success of a project.
  b) Discuss the need of assessing the design prolegs, and also explain how a design process is assesses? [6+6]

3.a) Discuss and distinguish the design methods and design patterns.
  b) Discuss about organizational influences upon design. [6+6]

4.a) What are the object – oriented frame works? Explain them in detail.
  b) Discuss about unified process, and also discuss its advantages and disadvantages. [6+6]

5.a) Discuss how effective user interface will influence on a success of a project. Give an example.
  b) What is meant by component based design? Differentiate it with convent ional design process. [6+6]

6.a) Discuss briefly about the software project management spectrum.
  b) What are the metrics for design? Explain them. [6+6]

7.a) What is meant by task set and task network? Explain with an example.
  b) Discuss clearly the RMMM plan. [6+6]

8. Write short notes on the following:
   a) Earned value analysis
   b) Use-case matrics.
   c) Proactive risk strategies. [12]

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