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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 matrices.
 c) Proactive risk strategies. [12]

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