

**IV B.Tech I Semester Supplementary Examinations, November 2006**  
**SOFTWARE ENGINEERING**  
**( Common to Computer Science & Engineering, Information Technology**  
**and Computer Science & Systems Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Write short notes on
  - (a) Engineering and Scientific Software. [4]
  - (b) Web based Software. [4]
  - (c) Embedded Software. [4]
  - (d) Business Software. [4]
2. Explain the quality metric which will provide benefit at both project and process level. [16]
3. Write different steps in Object Oriented Analysis (OOA) approach proposed by Coad and Yourdon and explain them clearly. [16]
4. (a) What is Warnier-Orr diagram? And explain with an example how it is different from Warnier diagram. [8]  
(b) Explain with an example the Entity structure step and the Entity action step in Jackson System Development (JSD). [8]
5. (a) Explain the different steps to be conducted for software design from project management point of view. [8]  
(b) Explain how each step in Software Engineering process is a refinement in the level of abstraction of the software solution. [8]
6. Describe the best interface that you have ever worked with and critique it relative to the concepts introduced in user interface design. [16]
7. Describe software maintenance activities and discuss about re-engineering. [16]
8. Discuss in detail about Business Process Reengineering. [16]

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