

**IV B.Tech I Semester Supplementary Examinations, November 2005**  
**PRINCIPLES OF SOFTWARE ENGINEERING**  
**(Electrical & Electronic Engineering)**

**Time: 3 hours**

**Max Marks: 80**

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

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1. (a) If one follows good software engineering practices, what exactly will you deliver to the client when the project is completed?  
(b) Explain the spiral software development model, with example. [10+6]
2. What are empirical software estimation models. Explain anyone. [16]
3. What are the configuration items that are target for configuration management techniques and form a set of baselines. [16]
4. Discuss in detail about modeling the System Architecture. [16]
5. A number of high-level programming languages support the internal procedures as a modular construct. How does this construct affect coupling and information hiding. [16]
6. Discuss various categories of HCI design guidelines with an appropriate example. [16]
7. (a) Explain how Nested loop, Concatenate loops are tested?  
(b) "Very thorough White Box testing would lead to 100% correct program" justify this statement. [8+8]
8. (a) What are the prerequisites to go for validation testing for software?  
(b) What is configuration review? Why it is required? [8+8]

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