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2005 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

IV B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS

PRINCIPLES OF SOFTWARE ENGINEERING

(ELECTRICAL&ELECTRONICS ENGINEERING)

NOVEMBER 2005

TIME: 3 HOURS

MAX MARKS: 80

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

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?