

D 51521

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Name.....

Reg. No.....



**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
DECEMBER 2008**

**CH 2K 501/PTEE 2K 402—SOFTWARE ENGINEERING
(Common to all Branches + AR 2K 502)**

Time : Three Hours

Maximum : 100 Marks

Answer all the questions.

1. (a) Explain system requirement specification with its contents.
(b) Explain context model with an example.
(c) Write short notes on objects and classes.
(d) Describe formal specification in the software process.
(e) Explain the importance of safety and hazard analysis.
(f) Describe the software inspection process.
(g) Describe the activities involved in risk management.
(h) Specify the activities involved in software planning.

(8 × 5 = 40 marks)

2. (a) Explain the behavioural models with example.

Or

- (b) Explain any *three* evolutionary process models.

3. (a) Explain the process of real time system design.

Or

- (b) Describe user interface design in detail.

4. (a) What is object oriented testing ? Explain the techniques involved in object oriented testing.

Or

- (b) Explain the different types of software maintenance. How software maintenance cost is evaluated ?

5. (a) Discuss the quality assurance plan.

Or

- (b) Discuss the techniques of scheduling and explain.

(4 × 15 = 60 marks)