

(3 Hours)

[Total Marks : 100

Software Engg.

19/12/09

2-30 to 5-30

Lib

N.B. : (1) Question No. 1 is compulsory.

(2) Attempt any **four** questions out of remaining **six** questions.(3) All questions carry **equal** marks.(4) Assume suitable data if **necessary**.

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|---|--|----|
| 1 | (a) Differentiate between Fp based and LOC based cost estimation techniques | 10 |
| | (b) Explain how Gantt-chart can be used for planning and controlling small Projects with example? What are the limitations of Gantt-chart? | 10 |
| 2 | (a) Explain various steps involved in SRS with suitable example. | 10 |
| | (b) What is feasibility study? Explain its types, contents and purpose. | 10 |
| 3 | (a) Explain risk identification, risk projection, RMMM plan. | 10 |
| | (b) Explain the difference between – | 10 |
| | (i) White Box and Black Box Testing | |
| | (ii) RAD Model and Spiral Model. | |
| 4 | (a) Explain Software Configuration Management and change control management in detail. | 10 |
| | (b) Compare and Contrast Coupling and Cohesion. | 10 |
| 5 | (a) Explain different types of maintenance, with suitable example of each. | 10 |
| | (b) Explain different steps in requirement engineering in detail. | 10 |
| 6 | (a) Describe data flow and control flow diagram with any suitable example. | 10 |
| | (b) Explain in detail software project plan with examples. | 10 |
| 7 | Write Short Notes on any two :- | 20 |
| | (a) Reengineering | |
| | (b) Design Concepts and Principles | |
| | (c) CMM and Key Process Areas | |
| | (d) Project Scheduling and tracking | |