

(3 Hours)

[Total Marks : 100

Software Enegy.

19/12/09

2-30 to 5-30

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**.

- 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, content, and purpose. 10
- 3 (a) Explain risk identification, risk projection, RMMIM 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