Student ID: _____

Software Engineering Comprehensive Examination
Fall, 2001

I.   Identify the five phases of the software engineering lifecycle. During
        which of the five phases is the risk of project failure the greatest? Justify
        your answer.

II.   Explain why the Partial Iterative Model of the software engineering
        lifecycle is less risky than the full iterative model.

III. It is customary for an organization to hold a Phase Review at the end of each phase of the software engineering lifecycle (1) to look back to determine the quality of the artifacts produced during the phase and (2) to look forward to determine the readiness of the organization to proceed to the next phase.

Describe what you would look for at the end of the first lifecycle phase of a project. That is, describe your exit criteria for the first phase. Why did you choose these particular criteria?

Describe how you would determine if you are ready to begin the second phase. That is, describe your entrance criteria for the second phase. Explain why you chose these particular criteria.

IV.   What is software cohesion? Does software cohesion play a role in design
decisions concerning information hiding? If yes, explain how. If no,
explain why not.