Reverse Engineering (07)

* What patterns do you apply during detailed model capture, and why?

Architecture Recovery (08)

* You have a very large system (1000 C files in a single directory) that you have seen for the first time and you are asked to recover its architecture. What technique would you use and why? How?

Metrics and Problem Detection (09)

* Compute the TCC for the following class: ...

* What detection strategies would you use to detect whether a system has good object oriented design?

Mining Software Repositories (10)

* You are presented with two variations of a method. Illustrate how would you apply the shingles algorithm to detect whether they are similar.

Dynamic Analysis (11)

* Why do you need to use dynamic analysis for test coverage?
* What technique would you use to do test coverage and why?

Ecosystem Analysis (12)

* You are the developer of a system that depends on framework Foo which has many other clients. You know that a considerable part of the clients of Foo have already migrated to the latest version while you still depend on the previous version. What technique would you use to automatically obtain migration patterns and how?