Question 1
What are the performance measures for a concurrency control method or algorithm?

Question 2
Give an example of three transactions involved in a cascade rollback due to a failure of a transaction in concurrent transaction processing.

Question 3
Problem 21.1. (page 808 in 7th edition)
Or
Problem 22.1. (page 803 in 6th edition)

- What is the two-phase locking protocol?
- How does it guarantee serializability?

Question 4
Problem 21.3. (page 808 in 7th edition)
Or
Problem 22.3. (page 803 in 6th edition)

Discuss the problems of deadlock and starvation, and the different approaches to dealing with these problems.
Question 5
Problem 21.10. (page 809 in 7th edition)
Or
Problem 22.11. (page 803 in 6th edition)

- How do optimistic concurrency control techniques differ from other concurrency techniques?
- What are the advantages of optimistic concurrency control?

Question 6
Or

- How does the granularity of the data items affect the performance of concurrency control?
- What factors affect the selection of granularity size for data items?