

Chapter 22:

Short Questions:

- A. What is a DBMS cache? (Page 815)
- B. Write-Ahead logging. (Page 816)
- C. Steal/No-Steal, Force/No-Force (Page 817, 818)
- D. What is checkpoint (Page 818)
- E. What is fuzzy checkpoint (Page 819)
- F. Cascading rollback (Page 819)
- G. ARIES recovery algorithm (Page 827)
- H. Log sequence number (Page 828)
- I. Check pointing (Page 828)

Broad Question

- A. Describe the typical strategy of recovering a database. (Page 814)
- B. Write down the process of Write-ahead-logging, steal/no-steal, force/no-force method. (Page 816,817,818).
- C. Write down checkpoint in the system log and fuzzy checkpoint. Describe all 4 (four) steps. (Page 818,819)
- D. Explain transaction rollback and cascading rollback (Page 819,820,821) – You can use the figures on exam or you can ignore it.
- E. Explain recovery technique based on immediate update. (Page 823,824,825)
- F. Explain shadow paging (Page 826, 827)
- G. Explain the ARIES method (Page 827,828,829,830,831) – Note down the question by yourself.
- H. Explain recovery in Multi database system. (Page 831, 832)