EXT2/3 specifics

I/O Systems

I/O Hardware Structure (Memory mapped vs I/O instructions)
Polling and Interrupts
Masking interrupts
Direct Memory Access

Managing I/O
Block and character devices
Network devices
Synchronous/Asynchronous I/O
Buffers
Elevator and Scan algorithms
Spooling
Caching

Translating user requests into I/O operations
Character streams