Chapter 12:

5. Since the FIFO order is followed, 10000 * 200 ms = 2 s.

6. 10,000 / 100,000 = 0.1s

Chapter13:

1):

Number of ptrs/block = 6K/6 = 1000
(12 * 6KB) + (2048 * 6KB) + (2048 * 2048 * 6KB) + (2*2048 * 2048 * 2048 * 6KB) +(2048 * 2048 * 2048 * 2048*6KB) = 10^17 KB

2)

Number of Address per Block =6*(2^10)/6=2^10

Given that 12 direct Blocks,12*6KB=72KB

1 indirect Block=2^10 * 6KB

1 Double Indirect Block = (2^10) *(2^10) *6KB

2 Triple Indirect Block= 2*((2^10) ^3) *6KB

1 Quadra Indirect Block = ((2^10) ^4)*6KB

Total file size is (12+2^10+2^20+(2^30) *2+2^40)*6KB=6156.0058TB