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