Section 6

e(a)

Segment	base	length
0	219	600
1	2300	14
2	90	100
3	1327	580
4	1952	96

given logical address

Sequent , logical address

(0 , 430)
(1 , 12)
(2 , 500)
(3 , 400)
(4 , 110)

430 < 600 (length)
then, 430 + 219 (Base)
= 649

12 < 14
then 12 + 2300
= 2312

500 < 100
then, 500 + 90 = 590

400 < 580
then 400 + 1327
= 1727

110 < 96 = Illegal

Segment	Physical Address
0	649
1	2312
2	50
3	1727
4	Illegal

(ii) Paging is implemented by breaking up an address into a page offset number. Because each bit position represent a power of 2, splitting address between bits result in a page size that is a power of 2.
That's why our page number always in the form of 2^K

Q3.

Answ