Amil) Hit (M/M + TLB) + Miss (2 M/M + TLB)

150 = 0.70 (100+TLB) +0.30 (200+TLB)

150 = (0.70)(100) +0.70 TLB + (0.30)(200) +0.30TLB,

TLB = 20 ms.

Am2) EAT 50.75 (25+100)+0.25 x (25+(2+1) 100)
=150ms
=175 ns.

Am3) 0-7

EAT = 0.7x(30+100) + 0.3(30+(3+1)100)

= 220 ns.

Nashit Bulhvard. 202-0274. BCS C1B.

Ansy) Demand paging!

paging disk = 25 M/s.

Page table = 1 M S.

Asso wat no menony = 80%.

EAT = (0.8 * 145) + (0.18 * 245) + (0.02* (25000 HEM)
= 501.2145.

An5)

2222 x 2 = 223 bytes = 8 MB

Ans 6)

 $2^{n} \times 4^{n} \text{ by tes} = 164B$ $2^{n} \times 4^{n} = 164B$ $2^{n} \times 2^{n} = 164B$ $2^{n} \times 2^{n} = 2^{n}$ $2^{n} \times 2^{n} = 2^{n}$ $2^{n} \times 2^{n} = 2^{n}$ n = 32 bits.

Nashit Budinani 2016-0274 RCS-48.

Am7)

Number of bits in logical address = 32 bits
Page Size = 4kB
Pagetable entry size = 4bytes.

Proces 151 x = 232 = 49B

Number of entries in the pg table

= 44B | 4KB

= 220 pages

Page table size; 220 x 4 = 4MB.

	3	0	1	2/	7	0	3	0	4	21	3	0	3	2	-	2
8	3	3	3	3	7	7	7	7	7	1	7	0	0	0	0	0
12		0			0	01	00	0,	60	9	3 2	2,			23	12
			li	1	1	1	13	3	13	3	13	3	31	3,	3	•3
fo				12	12	12 h	2	2	4	4	4	19	4	14	17	7
	M	M	- W	m	m	14	m	h	Ini	1 000	1 4	1-0	14	14	1 m	h
	1															

1	0	11	7 1	01	1	
Ci	0	0	0	6	0 . 70	tal page faults 51 Jpags
1	12,	21	12	1 2	2)	
12	134	1,	1	1	1	
1	3 -	17	1-	, 1.	1	
h	1'	1 v	"	"I	h h —	