	Assignment - 1	
	Operating Systems	
	Jarusi Mittal 1901CS 65	
	79.40	
aue 1	1: Given: Capacity = 32 KB Chips = 256 X4 RAM chips	
	To find: Size of decoder nequired.	
-	7 1 1 1 2 1 32 KB = 32×1024 × 8 bits	= 262144
	= 218 bits  No of chips needed = 218 = 256  256 × 4	
	No of chips needed = 2 = 256 × 4	
	Since me are using 1 byte = 8 bits as the wint,	ps.
	we based a cuips for	
	Total nows neguved = 256 - 128 nows	
	To select a now, me need log(128) = 7 bits	
	=> specifications of the decider required => 2000	72128.
	apergrasses 6	
	Answer = (a) 256, 7×128	
au 2:	ve know, Inverteel page table is a global page	table all the
	which is maintained by the operating system for processes In an inverted page table, the num	de of
	enteries is equal to the number of fearnes in me	in memory
	Jonover = (a) No of frames in main memory.	
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