Q2, (a) () max number of cutiles in page table
2 (624)
5256. Since page Size is CODY bytes, offset lift=log_loze=10.
remaining bits = 32
bits for page table = 104,25638 Thouston, we can have 3 levels page tables from the remaining 22 big
62/19(2) There are 4 parts in logical address. 8 bits for the first level page table 8 bits for the second level page table, 6 bits for third level page table and 10 bits for offset.
(02,1(b)(1) 2 [eve]
D2.((b)(2) 64 bytes logical advess space = logs 64 = 6 bits, Mumber of physical page frame = 8 1. offset bit = logs 8 = 3,
(20) = (010100)
first level page table index is 0 so cop to PFN21
the second level page table index is 2 so map to
PFN (O
offset = (100)2 = 14)10
Therefore, physical address i Page Frame Number & Page Size of Offset
2 10 x 8 44
284