Vistual Memory Questions: SUKHWINDER SINGH Part I:-301368460 memory size: 232 bytes Physical memory size i- 2'8 bytes so, Page Bize: - 2'2 bytes
Page table zire: - 220 bytes 0001 0001 0001 0010 0011 0100 0101 0110 (11123456)16= Righer 20 6in 10w-onder gits lower 12 bits are used as displacement into page and upper 20 bits are used for displacement into page table. det x be anapped probability of page fault 200 Gellesta-x)x 200 x 10 9 sec = (1-X) x 10 9 sec + (0.3 x X) x 8 x 10 3 sect, x 2 0 x 10 sec 200 == 1 (1-x x100 + 2 400000x + 1, 140,00000 x 20 - 1-X + 24000×+ 14000X 1 = -x + 240000x + 1400000x 1 = 163999X x = 0.000006 Maximum accepted Page-Balult