





















				_		**	Con	nput	ter Fu	ndam	ente	ils: F	Pradee	р <mark>К</mark> .	Sini	na & P	riti Sinha
М	ସ୍ତ୍ର	nei	tic 1	Гар	9 -	Stor	rage	; O	Drg	ani	ZE	tic	on (Ex	an	npl	e 3)
													-	-			
						+	Ta	аре	moti	on							
1	1	BG	R1	IB	G R	2 IE	G R	3	IBG	R	4	IBC	G R	5	IBG	R	6
				(a)	An un	blocked	l tape.	The	ere is	an IB	G af	ter e	each re	ecord	d.	•	
						•	Та	аре	moti	on							
	IBG	R	1	R2	IBG	R3	R4	IE	BG	R5	R	6	IBG	R	7	R8	IBG
	(b) A t	ape w	hich u	ises a k	locking	g factor	of t	two. 1	There	is ar	n IBC	G after	eve	ery tw	vo rec	ords.
							т	2000	moti	00							
						•	16	ahe	moti	UII							
	IBG	R	1	R2	R3	IBG	R4	R	25	R6	IB	G	R7	R	8	R9	IBG
	((c)At	ape w	/hich เ	uses a l	olockin	g factor	of	three	. Ther	e is	an I	BG aft	er e	very	three	records.
							0								5		
	Illu	ustrat	tes the	e conc	epts of	blocki	ng of re	cor	ds, in	ter-bl	ock	gap	(IBG),	and	d bloo	cking	factor
				-	_	**					1	-	-	-	-	-	and the property
R	ef Pac	je 12	20		Cha	apter 8	: Secor	dar	y Sto	rage I	Devi	ces				Slide	12/98











		Computer Fundamentals: Pradeep K. Sinha & Priti Sinha
N	lagnetic Tape	- Tape Controller
ş	Tape drive is connect controller that interpret tape drive	ed to and controlled by a tape s the commands for operating the
§	A typical set of command are:	nds supported by a tape controller
	Read	reads one block of data
	Write	writes one block of data
	Write tape header label	used to update the contents of tape header label
	Erase tape	erases the data recorded on a tape
	Back space one block	rewinds the tape to the beginning of previous block
		(Continued on next slide)
Ref P	Page 121 Chapter 8: Se	condary Storage Devices Slide 18/98









































































Size (Diameter in inches)	No. of surfaces	No. of tracks	No. of sectors/track	No. of bytes/sector	Capacity in bytes	Approximate capacity
51⁄4	2	40	9	512	3,68,640	360 KB
51⁄4	2	80	15	512	12,28,800	1.2 MB
31⁄2	2	40	18	512	7,37,280	720 KB
31⁄2	2	80	18	512	14,74,560	1.4 MB
31⁄2	2	80	36	512	29,49,120	2.88 MB





















































































