8R		8R	8R	88	87	8R	8 R	
8 R	Co			1 1 1	Examinations, Ju SIGN	SITY HYDERA	16 BAD	Turke Sympol
	Ti	ne: 3 Hours		Answer any Fiv	ve Questions	Max. N	Marks: 75	
82	1.	Evaluate the		2D	ry Equal Marks CMOS inverter.			(
	2.	Derive the dr	ain current of	MOS device in	different operation	g regions.	[15]	
8R	3.4.	for four input	NAND gate.	oneed of scaling		and draw the lay	[15]	Survey Shires
	5.	Derive the ex	pression for ti	me delay of a M	1OS device with o	cascaded inverters	s as drivers. [15]	
8R.	6.	Examine the disadvantage	S	carry look al	nead adder and	discuss its adva	antages and	400
	7.	Define shifter a) Barrel shif b) Logarithm		ort note on			[7+8]	
8 R	8.	Explain the v	arious design	strategies for te	st. 8 R	8 R	\$ 	(
		*		0000	00			
8R		88	8R	8.2	88	8R	8R	Transit Arrest
8R		8R	8R	8R	8R	8 R	8R	Secret Security