



				Page 3	0
	(b) Address Ranges:- RAM - 0000 - 07FF.				
	Rom - 4000 - 4FFF				
	Interjace - 8000 - 800 F				
	8		J		
	(c) Memory Address Map: -				
	. —	to it who	2 ADD	RESS BUS	
	Component	Address (HEX)	P16 15 114	13, 12 876	54321
	0.454		000	0 0 3xt	***
	RAM	0000-0786	.0 0 0	Decoder	
	Rom	4000-4FFF	0 1 0	0 (2x4)	xxxx xxxx
	Talallas	8000-800F	100	0 0000 0	000 XXXX
	Intellace				
		-0			
Aus 3	(a) $tp = 60 + 7 = 67 \text{ ne}$				
7100					
	(b) $t_n = 50 + 60 + 20 = 130 \text{ ns}$				
	= It will take 130 ns for non-pipeline				
	system. (C) $S = ntn = 20 \times 130 = 1.763$ (k+n-1)tp (3+19)67 S= ntn = 150 × 130 = 1.914 (k+n-1)tp (3+149)67				
00					
	$S = mtn = 150 \times 130 = 1.914$				
=	(k+n-1) y (3+)	(11)07		the following section and the section of the sectio
	H				

Prajapati Yashir 2016:2121023. (BDN)

20162121028 (BDA) "Bugapati Yosh P The speedup of pipeline for 20 task 9s 1.763 and for (d) Smax = tn = 130 = 1.9403 tp 67 of the maximum speedup that can be achieved 195 119403 min