		Zunaira Sodul	
		A313.	
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	Information, Technology University TCT. Section A.		
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2	Control the encution of tasks in	signed comanage und. 5	
	consisting the enewton of tasks in	1. 1 1 hat mees.	
	specific fining constraints. It is neld applications it makes surely bouttold		
	It may only supply to circle tacking The	an and family to me soul time	
	It may only support single tasking They are built to sur real-time		
applications that respond to certain inputs entremely quickly			
	in milli or micro seconde. Real-time applications are needed to		
	sun industrial cyclems and life- up	for sycremis.	
() 2			
=	(4310)5	(198)12	
	$0 \times 5^{\circ} = 0$	8 x 12° = 8	
	1x51 = 5	9x12' = 108	
	$3 \times 5^2 = 75$	1 x 12 ² z 144	
	$4 \times 5^3 = 75$	1 ria c 177	
	0+5+75+500 = 580.	8+108+144 2 260	
	0+2+12+200 = 200.	11112 200	
-	(4310)5= (580)10	$(198)_{12} = (260)_{10}$	
	(1310)(= (300)10	(110/12 = (200)10	
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11	2+1 核4+2+1		
	(37)16	The state of the s	
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(DF3)16 13 15 3 23+2+0+2°23+2+2+2°0+0+2+2° (DF3)16 = (110111110011)2 <u>R</u>S A router is a complicated device that stores the routing sufarmation for networks. A router looks at each packet's header to destinine where the packet should go and then dorkunius the best route for the packet to take towards its destination. A router will not allow broadcast to cross the clevice runless modified to do so. Thus, a packet must be addressed to a specifically identified destination to pass through the nonter. A router is connected, to atteast two networks. They are located at gateways, whereas a switch is a device that. learns which machine is connected to its part dry using the in cursently reduces. The amount of beroadcast traffic on consently. The network topology switches are employed within The amount of boadcast traffic and LAN to provide. Officient and fast communication between connected to the came. network regnent. Routers one med to it to enternal networks like the internet and soute haffic between different LANs. Routers are primarily responsible for interconnecting petwords and making decisions about how to noute data between them, whereas switches facilitate local networks communication by forwarding data within a single network