.Code No: N0521

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## Code No: N0521 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, March - 2017 **NETWORK PROGRAMMING**

(Common to CSE, IT)

	Time: 3 Hours (Common to CSE, IT)						Max M	x. Marks: 80		
	7 X & 6 X &	ATTENDED		All Quest	er any Five Questi ions Carry Equal	ons Marks		arks. o	* * * * * * * * * * * * * * * * * * *	
		1.a) b)	Discuss about star Write briefly abou	ndard internet so tt the TCP conn	ervices. ection establishme	nt and release.		[8+8]		
	* * * * * * * * * * * * * * * * * * *	2:a)	functions.							
		b)	List the elementar client side.	y TCP socket f	functions required	for communicat	ion at server	side and [8+8]	1	
		::3 (a) b)	Write a program to Discuss crashing,	o implement TO rebooting and s	CP Echo eliënt –ser hutdown of server	ver		[8+8]	X	
		4.a) b)	What is the purpos What are the differ	se of I/O Multip rent types of I/O	olexing? Explain w O models? Explain	ith suitable exan each with neat d	iples. liagrams.	[8+8]		
	X & & Ø X X X X X X X X X X X X X X X X	5 (a)	What are different types of system calls used for UDP client server communication? Explain each with function prototype.							
		b)	List the difference UDP.	es between TC	P and UDP. Writ	e briefly Lack	of flow cont	rol with [8+8]	l .	
	* X * * * * * * * * * * * * * * * * * *	6. :	What is DNS? Exneat diagram and e	xplain DNS rex	source records, re	solver and DNS	S name serve	ers with	**** ***  **** * **  **** * **  ** * * **  * * * * **  * * * * * **	
	•	7.a)	What is file and record locking? Explain about advisory and mandatory locking. Write briefly about the semaphores.							
		b)	Write a program to	lock and unloc	k a file by using 4.	3 BSD advisory	locking.	[8+8]		
	* **** * * * * * * * * * *	8.3	What do you mean with neat diagrams	by RPC? Expl . Discuss RPC	ain comminication	n between client S.	stub änd ser	ver stub	****	
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