Code	06 06 No: 09A1EC01						R09			
J	JAWAHARLAL	NEHRU B. Tech	J TECHNO I Vear Exan	LOGICA	L UNIVEI Mav/Jun/	RSITY, 1 	HYDERAB	AD		
	COMPU	TER PR	OGRAMM (Common	IMG ANI to all Bra	DATA S nches)	TRUCT	URES			
Tin	ne: 3 hours	Q6	Q6	Q6	QB	Max	. Marks: 75	5 Q6		
			Answer an	iy five que	estions					
		Q6 A	ll questions	carry equ	al marks					
1 a)	What are the	maior	differences	hetween	a time-s	haring	and a clie	ent/server		
1.4)	environment?	major	unificiences	between	a time-s	maring				
b)	Develop a flow	abort to f	ind the maxi	ulo mum num	ber in a gi	ven list o	fnumbers			
0)	Develop a now v			IIIuIII IIuIII	uer in a gr	ven nst o	i iluiiloeis.			
2 ->		Q6 4 41 4	Q6 	Q6	Q6	Q6	C C			
2.a)	Explain with syr	itax the I	or and while	iterative c	control stru	ictures in	C.			
b)	i) break	table exa ii) co	imples the fo	ollowing st	atements 11	n C:				
3.a)	Explain briefly t	he functi	ons of a C P	reprocesso	or.					
b)	Develop a C Pro	gram for	multiplying	two matri	ces.					
4.a) b)	Discuss with syr Develop a C P	ntax the program	ourpose of the to determine	e malloc for e if the gi	unction in iven string	C. 🔥	alindrome o	or not. A		
,	Palindrome is a Ex. for a Palindr	message ome is n	that reads sanadam.	me both fo	orwards an	d backwa	ards.			
5.a)	Discuss the diffe	erences b	etween a stri	ucture and	union in C	with an	example.			
b)	Develop a C adding these	program two con	that reads	two cor bers and	nplex nur displays	nbers, c the res	alls a fund sult. Repre	ction for sent the		
	complex number	r using a	structure in	C.						
6.a) b)	Distinguish betw Develop a C Pr	veen a tex rogram t	xt file and a loc count the	binary file. number c	of blanks i	in a text	file. The f	ile name		
(is supplied as a c	command	l-line argum	ent.						
7.a)	Develop a C P using a stack. Us	rogram se an arra	for converting to represe	ng the given the stack	ven infix (k.	expressic	on into post	fix form	Q6	
b)	Define Abstract	data type	e. Q6							
8.	Develop a C Pr in ascending ord	ogram f er.	for implement	nting Quic	ek sort for	sorting	an array of	integers		

* * * * * * * * * * *