(Q.P. Code: 20CS0501											\mathbf{R}^2	R20			
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	B.Te	ch I Y	/ear l	l Sem	ester \$				/	ninati	ons No	vember	2021			
											TURES		DODY			
	[Common to CE, AGE, CSE, CSIT, CSE (AI & ML) & CSE (IoT & CS includin) Time: 3 hours													Max. Marks: 60		
	Time. 5 nou	.5		()		11 12:			12 - (0 Mar	.l.a)		Iviax. I	viaiks. Ot		
				(A	nswer	all Fiv			12 = 0	U Mai	KS)					
1	a Define th	ne svní	ax an	d use (of swite	h state			suitabl	e exai	nnle		L2	6M		
1	a Define the syntax and use of switch statement with suitable example.b Describe the Structure of C Program with neat diagram.											L2	6M			
	~						0	-			*					
2	a Define the syntax and use of switch statement with suitable example.											L2	6M			
	b Define a	b Define a Variable. What are the rules for declaring a variable?										L4	6M			
							UNI	Г-II								
3	a Write a C program for displaying largest element in array.											L3	6M			
	b How to pass array as arguments to function? Explain with one example.											L1	6M			
4	a Datamain	0.000	four		200007	0.122.122	0	R					L5	6M		
4	a Determineb Define S		-					dling	functio	ns wi	th exam	nle	L3 L4	6M		
	b Define 5	umg. i	Слріа	in the v	unitierer	n sum	UNI		luncin	JIIS WI	ui exam	pie.	114	UNI		
5	a Write a (C prog	ram to	o read	and dis	play n	nultipl	e strir	igs usi	ng po	inters.	-	L3	6M		
	b Give diff	erence	e betw	een th	e struct	ures a	nd un	ion.					L4	6M		
							0]						rint L1	6M		
6	a What is a pointer? What are the features of pointers? Write a C program to print address of a variable.															
	b Explain t	he cor	ncept	of voic	l pointe	rs wit	h exar	nples.					L3	6M		
							UNI	Γ-ΙV								
7	Implement the following single linked list operations:													12M		
	i) Insertion															
	ii)Deletion	1 of a	node					D								
8	State any tw	io ann	licatic	ons of a	stacks a	nd au	0] eues?		an exa	mnle	2		L4	12M		
0	State any tv	o app.	nearre	/115 01 \	stacks c	ina qu	UNI'		un exe	impres	5		24	12111		
9	Sort the following numbers using merge sort : 45,34,12,46,27,56,11,87,0								1.87.6.3	3.28.	L4	12M				
1					00	6- 55	0		, _,_	, -, *	, .,-,-					
10	Write the al	gorith	m for	selecti	on sort	and il	lustra	te wit	h an e:	xampl	e.		L2	12M		

*** END ***