Registration No:				210			210			210			210		210
Tota	al Nu	mber of Pages	: 02	1							l			.Tech.	
15BE2105 1 st Semester Regular/Back Examination 2017-18 PROGRAMMING IN C BRANCH: AERO, AUTO, BIOTECH, CHEM, CIVIL, CSE, ECE, EEE, ELECTRICAL, ETC, FAT, IEE,															
	210	IT, MECH, I	METTAM	IN _a M N Q	INER Time Iax N ().CO	RAL, I : 3 H //arks DE: E	MME ours 5: 100 31157	, PE,) 7	PLA	STIC	, TE	XTILE			210
Answer Question No.1 and 2 which are compulsory and any four from the rest. The figures in the right hand margin indicate marks.															
Q1		Answer the following questions: multiple type or dash fill up type a) Which of the following is a User-defined data type?										(2x10)			
	a)			User-	-defin	ed da	ta typ	e?		210			210		210
		a) typedef int Bob) typedef enumc) struct {char nad) all of the ment	{Mon, Tue me[10], in			ı, Fri}	Work	days;							
	b)	C programs are a) A Compiler b) An Editor		into m	nachir	ne lev	el lanç	guage	e with	the h	nelp c	of			
	210	c) An Operating		210			210			210			210		210
	c)	d) None of these Which of the follow		inval	id if_c	alee et	atem	ent?							
	٠,	a) if (if (a == 1)){ b) if (func1 (a)){} c) if (a){} d) if ((char) a){}	}			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	acom	J. 1. C.							
	d)	Which loop is m	ost suitabl	e to fi	rst pe	rform	the o	perat	ion ar	nd the	n test	t the			
	210	condition? 210		210			210			210			210		210
		b) while loop													
		c) do-while loop													
		d) none of the m		1 1	. 1 . 12		^								
	e)	Which of the folloa) Variables	owing canr	ot be	statio	c in C	?								
		b) Functions													
	210	c) Structures 10		210			210			210			210		210
	Ð	d) None of the m		oorroo	ot form	nat fa	r dool	orotio	n of f	iunatia	n?				
	f)	Which of the folloa) return-type fur b) return-type fur {}	nction-nam	e(arg	umer	nt type	e);	aratio)II OI I	urictio	111?				
		c) return-type (ar	gument ty	pe)fur	nction	-nam	e;								
		d) all of the ment													
	g)	Which is an indi a) &	rection ope	erator	amor	ng the	tollo\	wing?		210			210		210
		b) *													
		c) ->													
	h)	d) .Comment on the int (*a)[7];	following	staten	nent:										
		a) An array "a" o	•												
	210	b) A pointer "a" to	•	210			210			210			210		210
		c) A ragged arragd) None of the m													
		a) None of the m	ienilionea												

	i) 210	FILE reserved word is a) A structure tag declar	ed in stdio.h	210	210	210		210	
		b) One of the basic datac) Pointer to the structur	types in c e defined in stdio.h						
	j)	d) It is a type name defir Streat function adds null a) Only if there is space							
	210	b) Alwaysc) Depends on the standd) Depends on the comp		210	210	210		210	
Q2	a) b)	Answer the following of C is a structured program Write a 'C' program to fin	nming language? Ju	ustify.	sing Conditional		(2x10)		
	c) d) e) f) g) h)	Operator. What is difference betwee Discuss about switch star Differentiate between car What is the difference between the limitation of Give an example of structure. How is a file pointer decoration of the pointer decoration of the pointer decoration.	atement with an exa ill by value and call letween assignment of array? cture inside another lared?	mple. by reference. and equality ope structure.	210 ration?	210		210	
Q3	j) a)	Differentiate between bir Define keyword and ider	•		n about different		(10)		
QU	210 b)	data types with example What are variables and	S. 210	210	210	210	(5)	210	
Q4	a) b)	Explain different types of operators used in C ,with suitable examples. Write a program in C to find the factorial of a given number.							
Q5	a)	Differentiate between Co		(10)					
	210	program to calculate the grade of a student by considering the following range of marks using switch-case statement.210 210 210 O, 90 ≤ Marks ≤100							
		Grades= E	E, 80 ≤Marks < 90 A, 70 ≤Marks < 80 B, 60 ≤Marks < 70 C, 50 ≤Marks < 60						
		[5, 50 ≦Marks < 50 5, 40 ≤Marks < 50 5, Otherwise						
	b) 0	Write a program in C to	,	numbers present	in between 1 to	100.	(5)	210	
Q6	a)	Explain about different p examples.	arameter passing m	nechanisms in fui	nction with		(10)		
	b)	Write a program to find t	he greatest among	3 numbers using	function.		(5)		
Q7	a) b)	Explain about different string manipulation functions with examples. Write a program to find given string is palindrome or not.							
Q8	a) ²¹⁰	What do you mean by Array? Explain with suitable diagram that ,how the array variables are stored in memory? Write a program in C to add two 3 dimensional matrices.							
00	b)	Write a program to swap	_			1	(5)		
Q9	a)	Explain about different fi from and write to a file?	Explain with examp	les.		read	(10)		
	b) 210	Differentiate between St	ructure and Union w	vith suitable exan	nple. 210	210	(5)	210	