Reg	No.	.: Name: GG. COLLE	G.
		APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY OUCATION	
		Third Semester B.Tech Degree (S,FE) Examination December 2020 (2015 Scheme	
		Course Code: EE207	
Ma	v M	Course Name: COMPUTER PROGRAMMING Duration: 3	Hour
ıvıa.	A. 1VI	PART A	Tiour
		Answer all questions, each carries 5 marks.	Mark
1		Differentiate between compilers, interpreters and assemblers.	(5)
2		With suitable example differentiate between while () and dowhile ()	(5)
		statements.	
3		What is an array? How can a two dimensional array be declared and initialized?	(5)
4		Explain recursion in C with an example.	(5)
5		What is union? How is it different from structure?	(5)
6		What are Pointer Expressions, Pointer Increments and Scale Factor? Illustrate	(5)
		with example.	
7		What are various file handling functions in C?	(5)
8		Write a Python program to find factorial of a given integer.	(5)
		PART B	
		Answer any two full questions, each carries 10 marks.	
9	a)	Compare unary, binary and ternary operators in C.	(5)
	b)	Draw a flow chart to input a character and check whether it is a vowel.	(5)
10	a)	Write a C program to find the solution of a quadratic equation using 'Switch'	(5)
		statement.	
	b)	Write a C program to print Pascal's triangle having 'n' rows.	(5)
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11	a)	Distinguish between high level language, assembly language and machine	(5)
		language.	

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	b)	Write a C program to input code (1/2/3). Read a number and print the result	(5)
	a de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela comp	based on the input option. Use if-elseif ladder	
		1. check if the no is odd/even	
		2. check if the no is positive / negative	
		3. check if it is divisible by 5.	
		PART C	
3		Answer any two full questions, each carries 10 marks.	
12	a)	With suitable example, explain terms: i) Function definition, ii) Function	(6)
	N	prototype, iii) Formal argument vii) Actual argument	
	b)	Explain any four string handling functions in C with examples.	(4)
13	a)	What is meant by storage class specifier? Explain the 4 basic storage classes in	(10)
		C with examples.	
14	a)	Write a C program to find the product of two matrices.	(5)
	b)	Develop a C program to sort given n names in alphabetic order?	(5)
		PART D	
		Answer any two full questions, each carries 10 marks.	
15	a)	Define a structure to store the complex number. Using this structure write a	(5)
		program to add and subtract two complex numbers.	
	b)	Explain the basic control statements in Python.	(5)
16	a)	What is a pointer? Why they are used? How can you access a variable using	(5)
		chain of pointers?	
	b)	Write a C program to sort an array of integers using pointers.	(5)
17	a)	How is a file pointer declared? What are the different modes of opening a file?	(5)
		Explain with one simple example.	
	b)	Write a C program to copy the contents of one file to another.	(5)
