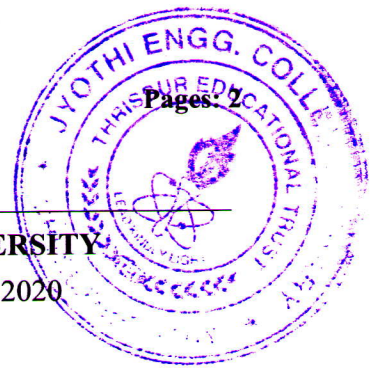00000MR201121901

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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Third semester B.Tech examinations (S) September 2020

Course Code: MR201
Course Name: C PROGRAMMING

Max. Marks: 100   Duration: 3 Hours

PART A
Answer all questions, each carries 5 marks.

1	Illustrate the concept of Machine Languages and also list out its limitations.	5
2	Draw a flow chat to find the smaller of 2 numbers. Explain the symbols used in it.	5
3	Distinguish between system software and application software in detail with examples.	5
4	Write about functions with no return type and no arguments.	5
5	Is the array initialization int number [3] = {1, 2, 3, 4, 5}; will work? Justify your answer.	5
6	How to initialize a two dimensional Array. Give an example.	5
7	What is the need of union in c programming?	5
8	Differentiate between array and structure in c programming.	5

PART B
Answer any three questions, each carries 10 marks.

9	a)	Differentiate between High level language and machine language?	5
	b)	Develop a program to print even numbers from 0-20.	5
10	a)	Write a short note on BIOS.	5
	b)	Differentiate LAN and WAN in computer networks.	5
11	a)	Elucidate the concept of FOR loop in c programming. Give an example.	5
	b)	Develop a program to display a number if it is negative.	5
12	a)	Explain AUTO and STATIC storage classes with example.	5
	b)	Justify the needs of C Library Functions?	5
13	a)	Develop a program to print the message WELCOME TO THE WORLD OF ROBOTICS	5
	b)	Develop a program to check whether an integer is even or odd.	

PART C
Answer any two questions, each carries 15 marks.

14 a) Describe in detail about one dimensional and two dimensional arrays with example. 10

    b) "An array can store infinite data of similar type". Justify your answer. 5

15 a) Develop a program to store 1, 2, 3, 4, 5, 6, 7, 8, and 9 in a matrix and print. 10

    b) Demonstrate the general format for declaring and opening a file. 5

16 a) Write a short note on Structures with example. 10

    b) How to access a structure member? 5

17 a) Explain File Operations in C. 10

    b) How to declare a pointer variable in C. 5