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APR-MAY

B. E. (Third Semester) Examination, 2020

(Old Scheme)

(CSE, IT Branch)

PROBLEM SOLVING & LOGIC BUILDING using 'C'

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 28

Note: Attempt all questions. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d).

Unit-I

- 1. (a) What are the various ways to represent an algorithm & what are the main factors which decides the efficiency of an algorithm?
 - (b) What is basic structure of a C program?

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(c) Explain various operators inc.	7	(c) Explain various looping statement in C.	7
(d) Write short notes on : (each 1 mark)	7	(d) Write a program to print following pattern	7
(i) Compiles (ii) Linker (iii) Loader (iv) Preprocessor (v) Constant		5 4 3 2 1 4 3 2 1 3 2 1 2 1	
(vi) Variable		Unit-III	
(vii) Identifier Unit-II		3. (a) Differentiate between Break and Continue.(b) Write a program to sort an integer array element in ascending order.	7
<pre>(a) Write output of the following code : # include < stdio.n ></pre>	2	(c) Write a C program to multiply two matrices and display it.(d) What is an Array? Explain its type with suitable program.	7
and forglo or the feet of sylve or and any and any order of		Unit-IV	
(b) Write a program to print prime numbers between 1 to <i>n</i> .	7	4. (a) Compare Union and Structure.(b) Write short notes with program on: (each 3.5 marks)	2

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	(i) Call by Value in program as a said pally	
	(ii) Call by Reference	
	(c) Explain enum with the help of program.	7
	(d) Write a program that uses a function to sort an integers array.	7
	Unit-V	
5.	(a) What is Pointer to Rointer?	2
	(b) What is a File? Explain any five file I/O function with example.	7
	(c) Write a program to concatenate two strings without	
	using streat() library function.	7
	(d) What is pointer also explain array of pointer with	
	the help of suitable program?	7
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