

I B. Tech II Semester Supplementary Examinations, Nov/Dec - 2019**COMPUTER PROGRAMMING**

(Com. to ECE, EEE, EIE, Bio-Tech, E Com E, Agri E)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is Compulsory
3. Answer any **THREE** Questions from **Part-B**
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PART -A

1. a) How to compile and execute a C program in Unix environment? (4M)
- b) Differentiate between break and exit statements. (4M)
- c) What is the importance of # include? Explain. (3M)
- d) How to access individual characters of a string using pointers? Illustrate. (4M)
- e) Give the uses of typedef statement. (4M)
- f) Give various modes of operating a file. (3M)

PART -B

2. a) What is flow chart? How it is useful in writing the programs? Explain about different symbols in flow chart. (8M)
- b) Is there any difference between the pre-decrement and post decrement operators? Explain with suitable examples. (8M)
3. a) What is the need of the iterations and selection? Explain each of the statements with examples. (8M)
- b) Write a C Program to find the length of a string without using built-in function. (8M)
4. a) How to access array elements? Explain. (8M)
- b) Write a C program to find the average of n numbers using functions. (8M)
5. a) Write a program to find whether the given number is strong number or not by using command line arguments. (8M)
- b) How pointers are used to declare single and multi-dimension arrays with examples? (8M)
6. a) Compare enumeration data type with unions. (8M)
- b) What is structure? Explain array of structures with example. (8M)
7. a) Explain about the functions for reading and writing data from a file. (8M)
- b) Write a C program to print file contents in reverse order. (8M)