R13

SET-1

I B. Tech II Semester Supplementary Examinations, April/May - 2018
COMPUTER PROGRAMMING
(Com. to ECE,EEE,EIE,Bio-Tech,ECom 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) Write the steps in creating and running of a C program.   (4M)

    b) Write a for loop statement to print numbers from 10 to 1.   (3M)

    c) What is the difference between formal and actual arguments?   (4M)

    d) What is meant by command line arguments? Write its uses.   (4M)

    e) Differentiate between structure and union.   (3M)

    f) Compare and contrast text file with binary file.   (4M)

PART –B

2. a) Write a pseudo code for swapping two numbers without using any temporary   (8M)
        storage.

    b) Briefly explain about the basic data types that C language supports.   (8M)

3. a) Compare the use of if-else construct with that of conditional operator. Explain   (8M)
        with examples.

    b) Write a C program to multiply two 'm × n' matrices.   (8M)

4. a) What is the difference between call by value and call by reference? Discuss the   (8M)
        problems associated with each.

    b) How many types of storage classes does C supports? What is the necessity of   (8M)
        each?

5.   Write a recursive function and iterative function to find the power of a number.   (16M)

6. a) Define and declare a structure to store date, which including day, month and year   (8M)
        and explain.

    b) Describe the process of deflation and, initializing a union with an example.   (8M)

7.   Write a C program to delete the record of a particular student.   (16M)