

**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**

**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 storage. (8M)
- 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 with examples. (8M)
- 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 problems associated with each. (8M)
- b) How many types of storage classes does C supports? What is the necessity of each? (8M)
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 and explain. (8M)
- 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)