

I B. Tech I Semester Supplementary Examinations May - 2017

COMPUTER PROGRAMMING

(Com. to CE, ME, CSE, PCE, IT, CHEM, AE, AME, MM, PE, MTE, TE)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

1. (a) How a program written in assembly language would take less computer time than the same program written in a high level language?
(b) How do you use the function getchar() to read a complete sentence?
(c) What is recursion? Explain with an example.
(d) How will you represent a list of names using pointer?
(e) What is a structure? How does it differ from an array?
(f) Specify the modes of opening a file in C.

[4+4+3+4+3+4]

PART- B

2. (a) Explain the basic organization of a computer with a neat diagram.
(b) Define a variable. How is it different from constant? Explain various types of constants in C. [8+8]
3. (a) Differentiate entry and exit checked conditional constructs with an example.
(b) Write a C Program to find the length of a string without using built-in function. [8+8]
4. (a) What is a storage class? List and explain with an example.
(b) Write a C program to find the average of n numbers using functions. [8+8]
5. (a) What do you understand by pointer to pointer? Discuss its advantages and disadvantages.
(b) Write a C program to swap two numbers using call by pointers method. [8+8]
6. (a) Define and declare a structure to store date which includes day, month and year.
(b) How structures can be passed as parameters to functions? Explain with an example. [8+8]
7. (a) Explain the operations that can be performed on files with suitable examples.
(b) Write a C program to read and display a text from the file. [8+8]

