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Subject Code: R13105/R13 **Set No - 1**

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**
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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]

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