Total No. of printed pages = 3

63/2 (SEM-1) CSIT 1·6 (OE)

2021

(held in 2022)

CSIT

(Theory Paper)

Paper Code : CSIT-1·6 (OE)

(Introduction To Computer Programming in C (Open Elective))

Full Marks – 50

Time – Two hours

The figure in the margin indicate full marks for the questions.

1. Answer any *five* of the following questions : 2×5=10

   (a) What is base address of an Array ?

   (b) How does a structure differ from an Array ?

   (c) Explain Local and Global variables.

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(d) How does a Union differ from structure ?

(e) Explain Assembly and High Level Language.

(f) What are formal and actual arguments ?

(g) What is the use of get c ( ) and put c ( ) ?

(h) What is the difference between while and do-while loop ?

(i) What is pointer ?

2. Answer any *three* of the following questions : 5×3=15

(a) What is variable ? What are the common properties to define a variable ?

(b) Define the anatomy of C function.

(c) Define call by value and call by reference with example (swap two numbers).

(d) What is storage class ? Define all the categories of storage class.

(e) How a pointer can be initialized ? Write few advantages of pointer.

3. Write any *five* of the following C programs : 5×5=25

(a) Write a program to check an integer number is palindrome or not. (Using function)

(b) Write a program to find the factorial of an integer number using recursive function.

(c) Write a program to take a matrix and find the biggest elements from the matrix by using function.

(d) Write a program on bubble sort technique using function.

(e) Write a program to search a number and find the number of occurence of searched item using function.

(f) Write a program to multiply two matrices using function.

(g) Write a program to take an array and display it by using pointer.