Date : Approved by :

ASSIGNMENT : ITC-EDU-AS-1803-S-018-0413 Sheet : 1 OF 1

Course : V-CPRG Batch No. :

Module : “C” Language(Pointers) Type : Theory

Date of Issue : Date of Submission :

1. Write a function exchange to interchange the values the values of two variables, say x and y.
2. Give the output of the following program.

main()

{

int i,j=25;

int \*pj,\*pi;

pj=&j;

printf(“%d%d %d %d”,pj,\*pj,&j,j);

\*pj=j+5;

pi=pj;

\*pi=i+j;

printf(“%d %d”,\*pi,i);

}

1. Write a program to sort the five numbers of an array using pointers.
2. Write a program using pointers to read in an array of integers and print it its elements in reverse order.
3. Write a day\_name function that receives a number n and return a pointer to a string containing the name of the corresponding day. The day names should be kept in a static table of character string local to the function.

**Theory**

Q. 1 What are pointers? What are the advantages of pointers?