2071
## B.A./B.Sc. (General) Second Semester
Computer Applications
CA03: C Programming Language

Time allowed: 3 Hours                                    Max. Marks: 30

**NOTE:** *Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I -IV.*

*x-x-x*

## UNIT – I

I.    What is formatted and unformatted input/output? How this is done in C language?
(6)

II.   WAP to print 1 to 10 using goto statement (don't use any looping statement)   (6)

## UNIT - II

III.  What are functions? What are the scope rules of functions?                    (6)

IV.   WAP that shows the uses of preprocessors?                                      (6)

## UNIT - III

V.    Explain the following concepts with example:-

a) Array of printers

b) Functions with variable number of arguments                                (2x3)

VI.   WAP to replace 'e' with 'E' in a string variable without in-built string function?
(6)

## UNIT - IV

VII.  What is text mode and binary mode of files? What are the advantages and limitations

of these two modes?                                                           (6)

VIII. What is a union data type? What are the applications of it?                    (6)

## UNIT - V

IX.   Answer any six of the following questions in brief:-

a) How to rename a file in C language?

b) What is the associativity rule?

c) List down the various storage classes available in C language?

d) What are the different ways to initialize a string variable?

e) List down any two differences in union and structure?

f) Which function is used to aces a file randomly?

g) What is extension of compiled c program file?

h) What are the format specifiers in C language? (6x1)

*x-x-x*