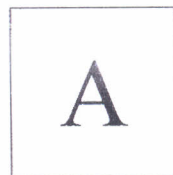


--	--	--	--	--	--	--	--	--	--



MCA DEGREE I SEMESTER EXAMINATION DECEMBER 2015

CAS 2103 PROGRAMMING IN C

(Old Scheme – Supplementary)

Time: 3 Hours

Maximum Marks: 50

PART A

(Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) Write the concept of including header files in C programs.
(b) Write the difference between int and float data types.
(c) Write the usage of #DEFINE statement.
- II. (a) Write the usage of static variables in C language.
(b) What do you mean by precedence of operators? How can it alter?
(c) Write a short note on multiple branching statement in C.
- III. (a) Write a recursive function to find the nth term in Fibonacci series.
(b) What do you mean by function prototyping?
(c) Write the concept of storing a set of names in array in C language.
- IV. (a) Write a note on pointer arithmetic.
(b) What is meant by enumerated variables?
(c) What is the difference between union and structures?
- V. (a) Write a note on various file access modes in C language.
(b) Write a note on getw() and putw() commands.
(c) Write any two commands to shift the location of file pointer.

PART B

(5 × 4 = 20)

- VI. Write a C program to find the ratio between boys and girls in a class.
OR
- VII. Write the rules to be followed for naming a variable in C language.
- VIII. Explain various operators available in C language.
OR
- IX. Write the difference between entry controlled and exit controlled looping structures in C with the examples.
- X. Write a function in C to exchange the values of two variables.
OR
- XI. Write a C program to store the names of a set of students and print the same in sorted order.
- XII. Write a C function which convert the lower case letters into upper case and vice versa in a string.
OR
- XIII. Write a C function to find the largest number stored in an array.
- XIV. Write a program to copy the contents of a file 'names. txt' which contains names only to another file except the names which start with vowel.
OR
- XV. Write a program to read a file which contains a set of numbers and print its sum.