

Roll No.

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

Total No. of Pages: 02
Total No. of Questions: 15

MBA (Sem.-3rd)
PROGRAMMING IN C
Subject Code: MBA-981
Paper ID: [C1175]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATE:

- 1. Attempt any four questions from section A Each Question is of 5 marks.*
- 2. Attempt four questions selecting one question from Section-B of each subsection I, II, III, and IV. Each question is of 8 marks.*
- 3. Section C is compulsory and is of 8 marks.*

SECTION-A

- Q.1.** Differentiate between identifier and keyword.
- Q.2.** What is an array? Describe the process of initializing a one dimensional array
- Q.3.** Differentiate between parameter passing by value and parameter passing by reference in a function.
- Q.4.** Explain the purpose of switch statement.
- Q.5.** Using an example describe the utility of using Structures
- Q.6.** Explain the pointer arithmetic.

SECTION-B

Subsection-I

- Q.7.** (a) Write an algorithm to find the sum of digits of a 3 digit integer number. (3)
- (b) Describe the various types of statements used in C language. (5)
- Q.8.** (a) Using example and syntax explain the unary operators available in C language. (4)
- (b) Draw the flow chart to find largest of 3 numbers. (4)

Subsection-II

- Q.9.** (a) Explain the different storage classes available in C language. (5)
(b) Differentiate between break and continue. (3)
- Q.10.** (a) What is a function? Differentiate between user defined and built in function. (2+3)
(b) Write a program to find the factorial of a positive integer. (3)

Subsection-III

- Q.11.** (a) What is a pointer? Explain the syntax of declaring and initializing a pointer. (1+2)
(b) Write a program in C to create a function sort () to arrange the elements of numerical integer array in ascending order. (5)
- Q.12.** (a) Write a program in C to create a function Lsearch () and pass an array of integers to the function to search a given element using linear search. (5)
(b) Explain the string manipulation functions. (3)

Subsection-IV

- Q.13.** What is an array structures? Write a program in C language to read student data from a file. (3+5)
- Q.14.** (a) Differentiate between structure and union. (4)
(b) Explain the input-output operations performed on a file. (4)

SECTION-C

(Case Study)

- Q.15.** Describe the functionalities of Product Management System of ABC Marketing firm using structures, Functions and files. (8)

.....END.....