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.....

M-70759