Hall Ticket No | | | | | | | | | | |

Question Paper Code: CMB312

MBA II Semester End Examinations (Supplementary) - January, 2019
Regulation: .–R16
C Programming
(Master of Business Administration)

Time: 3 Hours **Max Marks: 70**

Answer ONE Question from each Unit
All Questions Carry Equal Marks
All parts of the question must be answered in one place only

UNIT – I

1. (a) What is associativity of operators? Explain briefly left shift and right shift operators in C with a suitable example. [7M]
   (b) Assume that the commission on a salesman's total sales is computed as follows: [7M]
      i. If sales < 100, then there is no commission.
      ii. If 100 >= sales <= 500, then commission = 10% of sales.
      iii. If sales > 500, then commission = 100 + 8% of sales above 500
      Write a C program for the same.

2. (a) Discuss the concept of variables and constants with a suitable example. [7M]
   (b) A positive integer is called an Armstrong number of order n if $abcd = a^n + b^n + c^n + d^n$.
   Write a program to print Armstrong numbers between two integers. [7M]

UNIT – II

3. (a) Explain downward flow and upward flow methods for transferring data between calling and called function with suitable examples. [7M]
   (b) Write a C program to swap two numbers using pointers. [7M]

4. (a) What is scope of a variable? Explain block scope with a suitable example. [7M]
   (b) Write a C Program to find sum of n natural numbers. [7M]

UNIT – III

5. (a) Explain about string input and output functions. [7M]
   (b) Explain briefly the following string handling functions: strcpy(), strcmp(), strcat(). [7M]

6. (a) With a suitable example, demonstrate how to dereference a pointer to void. [7M]
   (b) Explain the use of command line arguments. Illustrate how addition of two integers can be done using command line arguments. [7M]

UNIT – IV

7. (a) Define structure. Give an example. Identify few operations that can be performed on structures. [7M]
   (b) Write a C program to read and display the details of employee like id, name, age and salary. [7M]
8. (a) Explain the difference between structures and unions. [7M]
   (b) What is the use of enumeration type in C? Explain with an example. [7M]

UNIT – V

9. (a) Write a C program to count the number of characters in a text file. [7M]
   (b) Explain briefly fprint() and fscanf() with a suitable example. [7M]
10. (a) Discuss various file opening modes supported in C. [7M]
    (b) Write a C program to read name and marks of n number of students from user and store them in a file. [7M]

– ○ ○ ○ ○ ○ –