MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

June, 2017

MCSL-017(P)/S3 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time : 2 Hours   *Maximum Marks : 50*

Note :   (i)   *There are two sections in this paper.*

(ii)   *Each section is of* ***one hour*** *duration.*

(iii)   *Each section has one* ***compulsory*** *question of 20 marks.*

(iv)   *Each section has 5 marks for viva-voce separately.*

(v)   *Attempt only those section(s) in which you are* ***not successful as yet.***

SECTION A

C Programming

1.   (a)   Write an interactive C program to print the non-repeated elements in an array.   *10*

(b)   Write a C program to calculate the sum of the elements of each row of a 3 × 3 matrix and display it in the form of a 3 × 1 matrix.   *10*

Example :

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$$

$$A \, Sum = \begin{bmatrix} 1+2+3 \\ 4+5+6 \\ 7+8+9 \end{bmatrix} = \begin{bmatrix} 6 \\ 15 \\ 24 \end{bmatrix}$$

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to arrange the given "n" elements in ascending order. *20*

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