01080

# MASTER OF COMPUTER APPLICATIONS (Revised)
# (MCA)
## Term-End Practical Examination
## June, 2014

### MCSL-017(P)/S4 : 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 1 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) is which you are not successful as yet.*

## SECTION A
## C Programming

1.   Using "pointers" concept write a program in C to allow to input 2 strings of user's choice, concatenate them and display the length of the resultant concatenated string.                                   *20*

*Note :*   *You are **not allowed** to use the string functions directly from the "C" library.*

## SECTION B

### Assembly Language Programming

2. Write an 8086 assembly language program which converts a 2-digit decimal number to its binary equivalent. *20*

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### June, 2014

00260

## MCSL-017(P)/S1 : 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 1 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) is which you are not successful as yet.

## SECTION A
### C Programming

1. Write an interactive program in C to multiply two matrices $A(m \times n)$ and $B(n \times p)$ and store the product in matrix C.      *20*

# SECTION B

## Assembly Language Programming

2. Write an 8086 assembly language program which takes the input of a 3-digit decimal number and displays the sum of their 3 digits.    *20*

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01670

### June, 2014

## MCSL-017(P)/S2 : 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 1 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) is which you are not successful as yet.

## SECTION A

## C Programming

1.   Write an interactive program in C using structures, to calculate the Gross_salary, Net_salary, if BASIC, DA, TA, Allowances and Deductions (LIC, Group Insurance, Income_Tax) are given as inputs. Assumptions can be made wherever necessary.                                                              *20*

## SECTION B

## Assembly Language Programming

2.  Write an 8086 assembly language program to arrange given N numbers in ascending order. *20*

00499

**MASTER OF COMPUTER APPLICATIONS (Revised)**

**(MCA)**

**Term-End Practical Examination**

**June, 2014**

**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 1 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) is which you are not successful as yet.*

**SECTION A**

**C Programming**

1.   Write a program to create a new file, open it, key-in some characters  and count the no. of characters and special symbols separately and display the count.          *20*

## SECTION B

### Assembly Language Programming

2. Write an 8086 Assembly language program which should convert 4-digit 2 BCD numbers given as input to their binary equivalent and find their sum. *20*