

No. of Printed Pages : 2

SET - 1

MCA (Revised)
Term-End Practical Examination
June, 2011

00942

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* parts in this paper. Each part is of **1 hour** duration. Each part has **one compulsory** question of **20** marks. Each part is having 5 marks for *viva-voce* separately.

PART-I

C Programming

1. Write C program using array, which take annual income of 10 persons. Also find the difference between the highest annual income and the lowest annual income of these 10 peoples. 20

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PART-II

Assembly Language Programming

1. Write a 8086 assembly program which take two decimal numbers (A and B) as input and find $A + B$. 20



No. of Printed Pages : 2

SET - 2

MCA (Revised)
Term-End Practical Examination
June, 2011

02572

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two parts* in this paper. Each part is of **1 hour** duration. Each part has **one compulsory** question of **20** marks. Each part is having 5 marks for *viva-voce* separately.

PART-I

C Programming

1. Write a C program which take a sentence as input and count the number of words in the sentence. 20

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PART-II

Assembly Language Programming.

1. Write a 8086 assembly program which take a decimal number as input and display its binary equivalent. 20



No. of Printed Pages : 2

SET - 3

MCA (Revised)
Term-End Practical Examination
June, 2011

00872

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : *There are two parts in this paper. Each part is of 1 hour duration. Each part has **one compulsory** question of 20 marks. 5 marks is for **viva-voce** for each part separately.*

PART-I

C Programming

1. Write a C program which take your name as input and store it in a file named name.txt. 20
Your program should check whether name.txt file exist in the current directory or not.
It does not exist then a new file named name.txt to be created.

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PART-II

Assembly Language Programming

1. Write a 8086 assembly program that take three decimal numbers as input and display the smallest in the three numbers. 20



No. of Printed Pages : 2

SET - 4

MCA (Revised)

Term-End Practical Examination

01823

June, 2011

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : *There are two parts in this paper. Each part is of 1 hour duration. Each part has one compulsory question of 20 marks. 5 marks is for viva-voce of each part separately.*

PART-I

C Programming

1. Write a C Program which take two strings String 1 and String 2 as input and append String 2 to the String 1, also find the length of the resultant string. **20**

Note : Do not use any pre-defined library function for string operations.

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PART-II

Assembly Language Programming.

1. Write a 8086 assembly language program to find the length of a given string. 20



No. of Printed Pages : 2

SET - 1

MCA (Revised)

Term-End Practical Examination

03809

December, 2011

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20** marks. Each section is having **5** marks for *viva-voce* separately.

SECTION - A

C Programming

1. Write a C program which take a string as input and remove all the vowels from it. Also find the length of result out string. For example if the input string is "My Name is Ram" then the resultant string will be "My Nm s Rm". 20

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SECTION - B

Assembly Language Programming

1. Write an 8086 assembly language program which copy the content of string 1 to another string 2, where string 1 = "Welcome". **20**
-



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No. of Printed Pages : 2

SET - 2

MCA (Revised)
Term-End Practical Examination
December, 2011

02399

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

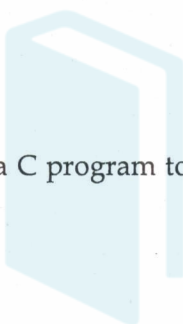
Maximum Marks : 50

Note : *There are **two** sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20** marks. Each section is having 5 marks for **viva-voce** separately.*

SECTION - A

C Programming

1. Write a C program to generate Fibonacci series of a given number, using recursion. 20



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SECTION - B

Assembly Language Programming.

1. Write a 8086 assembly language which take a binary number (not more than eight digits) and find 2's complement of it. 20
-



No. of Printed Pages : 2

SET - 3

MCA (Revised)
Term-End Practical Examination
December, 2011

01854

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of *1 hour* duration. Each section has *one compulsory* question of *20* marks. Each section is having *5* marks for *viva-voce* separately.

SECTION - A

C Programming

1. Write a C program which take two strings as input and find a third string by concatenating first string to the second and find the length of third string. Programme should be written without using standard C functions. 20

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SECTION - B

Assembly Language Programming

1. Write a 8086 assembly program which take a two digit octal number as input and display its binary equivalent. 20



No. of Printed Pages : 2

SET - 4

MCA (Revised)
Term-End Practical Examination
December, 2011

01684

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20** marks. Each section is having 5 marks for *viva-voce* separately.

SECTION - A

C Programming

1. Write a C program which create a list of 10 employees working in a department; the list should consist of name, address, age and designation of the employee. Also print the name of the employee whose age is lowest among them. 20

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SECTION - B

Assembly Language Programming

1. Write a 8086 assembly program which take a string as input and find its length. 20
-



No. of Printed Pages : 2

SET - 1

MCA (Revised)

Term-End Practical Examination 05455

December, 2012

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has *one compulsory* question of **20 marks**. Each section have **5 marks** for *viva-voce* separately.

SECTION - A

C Programming

1. Write a 'C' program which take two strings as input and print the difference of number of words in the strings. 20

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SECTION - B

Assembly Language Programming

1. Write an 8086 assembly language program which takes two decimal numbers as input and find the average of them. **20**



No. of Printed Pages : 2

SET - 2

MCA (Revised)

Term-End Practical Examination

00155

December, 2012

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

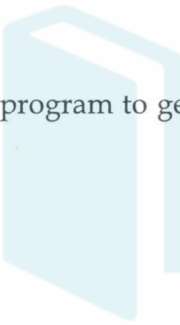
Note : There are *two* sections in this paper. Each section is of *one hour* duration. Each section has *one compulsory* question of *20 marks*. Each section have *5 marks* for *viva-voce* separately.

SECTION - A

C Programming

1. Write a 'C' program to generate table of 5 and store it in a file.

20



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SECTION - B

Assembly Language Programming

1. Write an 8086 assembly language program that converts a 2 digit ASCII number to equivalent binary. **20**
-



No. of Printed Pages : 2

SET - 3

MCA (Revised)

Term-End Practical Examination 02595

December, 2012

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20 marks**. Each section have **5 marks** for *viva-voce* separately.

SECTION - A

C Programming

1. Write a 'C' program which take two matrices of 4×4 as input and find MSUM = 20
 $A + B$ and MDIF = $A - B$; where A and B are the input matrices.

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SECTION - B

Assembly Language Programming

1. Write an 8086 assembly language to convert a 2 digit BCD number to equivalent binary number. Assume that the BCD number is available in AL register. **20**



No. of Printed Pages : 2

SET - 4

MCA (Revised)

Term-End Practical Examination

00545

December, 2012

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20** marks. Each section have 5 marks for *viva-voce* separately.

SECTION - A

C Programming

1. Write a 'C' program to create a structure of student, having details of students as fields. Create array of ten student of this structure type. Print the name and roll number of those students who are in MCA Ist semester. Make necessary assumptions wherever required. 20

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SECTION - B

Assembly Language Programming

1. Write an 8086 assembly language program which copy the contents of string My Str to another string yourstr, where Mystr = "I know Assembly Programming" 20



No. of Printed Pages : 2

SET - 1

MCA (Revised)
Term-End Practical Examination
June, 2013

04386

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

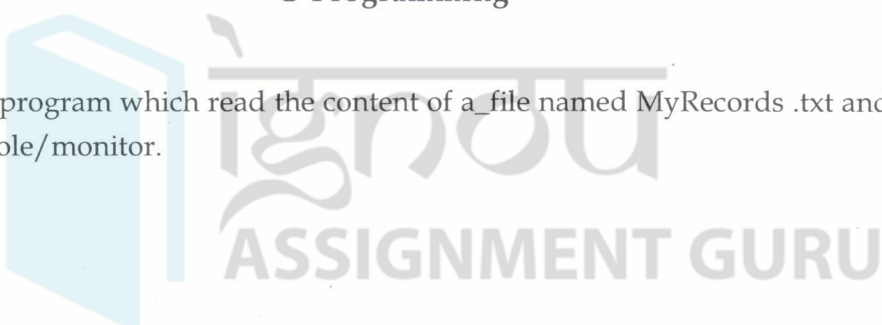
Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has *one compulsory* question of **20 marks**. Each section has **5 marks** for *viva-voce* separately.

SECTION - A

C Programming

1. Write a C program which read the content of a file named MyRecords .txt and display it on console/monitor. 20



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SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program that take three decimal number as input and find the largest among them. 20
-



No. of Printed Pages : 2

SET - 2

MCA (Revised)

Term-End Practical Examination

00608

June, 2013

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20 marks**. Each section has **5 marks for viva-voce** separately.

SECTION - A

C Programming

1. Write a C program which take marks of 10 students in subjects Math, Physics and English and find the average marks separately in each subject. The maximum marks for each subject is 100. 20

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SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program that convert a 2 digit ASCII number to binary equivalent, the ASCII number is assumed to be stored in AL register. **20**
-



No. of Printed Pages : 2

SET - 3

MCA (Revised)

Term-End Practical Examination

00916

June, 2013

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

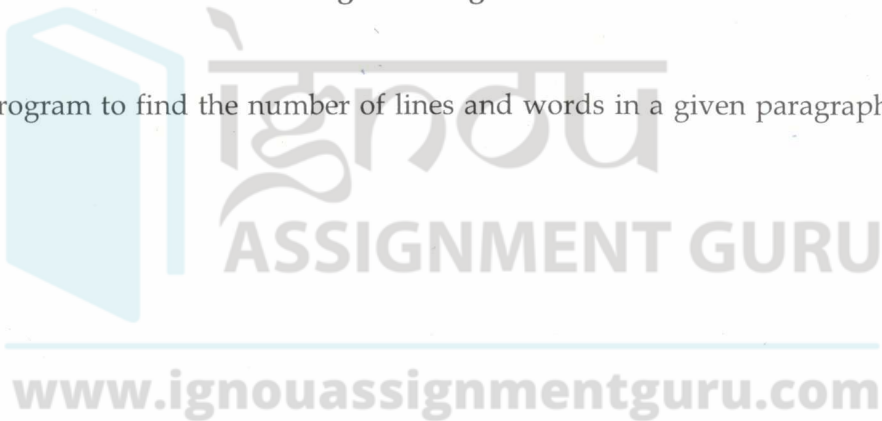
Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of *1 hour* duration. Each section has *one compulsory* question of *20 marks*. Each section has *5 marks* for *viva-voce* separately.

SECTION - A

C Programming

1. Write a C program to find the number of lines and words in a given paragraph. 20



SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program which find whether an alphabate "i" is available in a given string of 15 character long. 20
-



No. of Printed Pages : 2

SET - 4

MCA (Revised)

Term-End Practical Examination

June, 2013

01576

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 50

Note : There are *two* sections in this paper. Each section is of **1 hour** duration. Each section has **one compulsory** question of **20** marks. Each section has 5 marks for *viva-voce* separately.

SECTION - A

C Programming

1. Write a C program to find multiplication of two matrices of 4×4 . The program should take two matrices as input and display the resultant matrix. 20

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SECTION - B

Assembly Language Programming

1. Write 8086 assembly language program which copy the content of a given string to another string. 20



No. of Printed Page : 1

SET - 3

MCA (Revised)

Term-End Practical Examination

01231

December, 2013

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 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 that section in which you are **not successful** as yet.

SECTION - A

C Programming

1. Write a C program to find the sum of series : 20

$$1^2 + 2^2 + 3^2 + \dots + n^2$$

SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program to add two ASCII numbers. 20

No. of Printed Page : 1

SET - 1

MCA (Revised)
Term-End Practical Examination
December, 2013

04122

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 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 that section in which you are **not successful** as yet.
-

SECTION - A

C Programming

1. Write a C program to find the average marks of 10 students in subjects Math, Physics, Chemistry and English, separately. The maximum marks in each subject is 100. 20

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SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program which subtract two ASCII numbers. 20
-

No. of Printed Page : 1

SET - 2

MCA (Revised)
Term-End Practical Examination
December, 2013

00845

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 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 that section in which you are **not successful** as yet.
-

SECTION - A

C Programming

1. Write a C program to store name and address of 5 students in a text file named students_Record.txt. 20

SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program to add two 8 bit BCD numbers. 20
-

No. of Printed Page : 1

SET - 4

MCA (Revised)

Term-End Practical Examination

01174

December, 2013

MCSL-017 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time allowed : 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 that section in which you are **not successful** as yet.

SECTION - A

C Programming

1. Write a C program to convert all the lower case characters to upper case, of a given string. **20**

For example :

Input : I Like C Programming

Output : I LIKE C PROGRAMMING

SECTION - B

Assembly Language Programming

1. Write a 8086 assembly language program to find the 2's complement of a binary number. **20**

No. of Printed Pages : 2

MCSL-017(P)/S4

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) in 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



No. of Printed Pages : 2

MCSL-017(P)/S1

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00260

Term-End Practical Examination

June, 2014

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

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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



No. of Printed Pages : 2

MCSL-017(P)/S2

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

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) in 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



No. of Printed Pages : 2

MCSL-017(P)/S3

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00499

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

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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



No. of Printed Pages : 2

MCSL-017(P)/S1

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

December, 2014

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 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. Write an interactive C program to check whether the given number is an Automorphic Number or not. 20

Hint : An automorphic number is a number the square of which contains the number in the end.

Example : www.ignouassignmentguru.com

- (i) 6, 36
- (ii) 5, 25

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the sum of two BCD numbers stored in the memory.

20



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No. of Printed Pages : 2

MCSL-017(P)/S2

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

December, 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 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. Using structures, write an interactive program to find the total marks, average marks in the Group subjects (Maths, Physics, Chemistry) for 10 students separately. The maximum marks in each subject is 60 and pass mark is 50%. Also give the Grade (A, B, C, D, Fail) accordingly.

Note : Assumptions can be made wherever necessary.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the 2's complement of a binary number.

20



No. of Printed Pages : 2

MCSL-017(P)/S3

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

December, 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 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. Write a C program to display the reversal of a 5-digit number.

20

Example : I/P : 24621

Reversal : 12642

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SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the binary equivalent of a two-digit decimal number.

20



No. of Printed Pages : 2

MCSL-017(P)/S4

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

December, 2014

01630

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 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. Write a C program that sorts a list of N numbers in ascending order.

20

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SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to subtract two binary numbers. 20

05810



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No. of Printed Pages : 2

MCSL-017(P)/S1

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

June, 2015

01912

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 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. Write an interactive C program, using recursion :**

20

- (i) **To find the factorial of a given number.**
- (ii) **To generate Fibonacci series of n terms.**

No. of Printed Pages : 2

MCSL-017(P)/S2

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

01233

Term-End Practical Examination

June, 2015

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 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. Write an interactive C program to perform the following operations on 2 matrices of $m \times m$: 20
- (i) Addition
 - (ii) Multiplication

No. of Printed Pages : 2

MCSL-017(P)/S3

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2015

01043

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. Write an interactive C program to generate a bill for a retail shoes stores outlet. 20

Note : Assumptions can be made wherever necessary. List them. Use structures concept.

No. of Printed Pages : 2

MCSL-017(P)/S4

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

June, 2015

00683

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 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. Using pointers concept, display the number of characters, symbols, others in a given string. 20

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

No. of Printed Pages : 2

MCSL-017(P)/S1

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

December, 2015

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 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. Write an interactive C program to generate a simple billing application for a retail medical stores outlet. 20

Note : Use Structures concept. Assumptions can be made wherever necessary. List the assumptions made.

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to arrange the given list of N numbers in *descending order*. 20



No. of Printed Pages : 2

MCSL-017(P)/S2

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00309

Term-End Practical Examination

December, 2015

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 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. Using file handling concept in C, write an interactive C program to process the employees records to calculate the Net_Salary for the current month. The data file should contain the Name, Basic Pay, AG Pay, Dept_Name, Attendance, Allowances and Deductions.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the 2's complement of a binary number.

20



No. of Printed Pages : 2

MCSL-017(P)/S3

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

December, 2015

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. Write a C program to compare 2 strings given as input. Use *pointers* concept only.

Note : Not allowed to use "*strcmp*" function directly from the "C" library.

20

SECTION B

Assembly Language Programming

2. Write an 8086 Assembly Language program which should convert 3-digit 2 BCD numbers given as input to their binary equivalent and find their sum. 20



No. of Printed Pages : 2

MCSL-017(P)/S4

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

December, 2015

MCSL-017(P)/S4 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time : 2 Hours

Maximum Marks : 50

- Note :**
- (i) There are **two** sections in this paper.
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 - (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. Write an interactive C program to sort given N numbers in ascending order. Use any of the sorting techniques of your choice.

20

SECTION B

Assembly Language Programming

2. Write an 8086 Assembly Language program to convert a 2 digit decimal number to its binary equivalent.

20



No. of Printed Pages : 2

MCSL-017(P)/S1

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2016

01107

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 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. Write an interactive C program to do the following using a "SWITCH" statement to opt for options to perform the operations :

20

- (a) To add 2 matrices A (2×2) and B (2×2)
- (b) To subtract 2 matrices A (2×2) and B (2×2)
- (c) To multiply 2 matrices A (2×2) and B (2×2)

SECTION B

Assembly Language Programming

2. Write an 8086 Assembly language program to convert a 2-digit decimal number to its octal equivalent.

20



No. of Printed Pages : 2

MCSL-017(P)/S2

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2016

01386

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 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. Write an interactive C program to generate a grade card for first semester courses of MCA. In order to successfully complete the courses, passing in both the components is compulsory (Assignment and Term-End Exam). Calculate the total, average and find the Grade too.

20

Hint : Assumptions, if any, can be made wherever necessary.

SECTION B

Assembly Language Programming

2. Write an 8086 Assembly language program to find and store the sum of 2 binary numbers.

20



No. of Printed Pages : 2

MCSL-017(P)/S3

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

June, 2016

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. Write an interactive C program *using pointers* to read two strings given as input, compare them character by character and display the dissimilar characters found and their count respectively.

20

SECTION B

Assembly Language Programming

2. Write an 8086 Assembly language program to arrange the given list of N numbers in ascending order.

20



No. of Printed Pages : 2

MCSL-017(P)/S4

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00776

Term-End Practical Examination

June, 2016

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 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. Write an interactive C program, using file handling concept to append the contents of file1 to file2 at the end.

20

SECTION B

Assembly Language Programming

2. Write an Assembly language program to subtract 2 binary numbers and store the difference.

20



No. of Printed Pages : 2

MCSL-017(P)/S1

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

December, 2016

01753

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 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

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1. Write an interactive C program to remove the duplicates in an array from the list of "N" numbers given.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to convert a 3-digit decimal number to its hexadecimal equivalent.

20



No. of Printed Pages : 2

MCSL-017(P)/S2

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

December, 2016

MCSL-017(P)/S2 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time : 2 Hours

Maximum Marks : 50

- Note :**
- (i) *There are two sections in this paper.*
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 - (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. Write an interactive menu-driven C program to read a list of 10 student names and perform the following operations using functions : 20
 - (i) To print the list of names
 - (ii) To sort them in alphabetical order and display the list
 - (iii) Exit

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the sum of two 4-digit binary numbers.

20



No. of Printed Pages : 2

MCSL-017(P)/S3

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

December, 2016

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

Time : 2 Hours

Maximum Marks : 50

- Note :**
- (i) *There are two sections in this paper.*
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 - (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. Write an interactive C program to perform the following operations on matrices :

$$D = A (m \times m) + B (m \times m) * C (m \times m)$$

where A, B, C and D are matrices of size $m \times m$.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to subtract two 3-digit binary numbers and store the difference.

20



No. of Printed Pages : 2

MCSL-017(P)/S4

00473

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

December, 2016

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 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. Write an interactive C program to calculate the electricity bill as per the following details :

20

Domestic		Non-Domestic	
Range	Charge per unit	Range	Charge per unit
0 – 200	₹ 0.50	0 – 100	₹ 1.00
201 – 400	₹ 100 + 0.65	101 – 200	₹ 100 + 0.60
401 – 600	₹ 230 + 0.80	201 – 300	₹ 160 + 0.70
601 and above	₹ 390 + 1.00	301 and above	₹ 230 + 1.00

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program for finding the smallest number in an array of 5 elements.

20



No. of Printed Pages : 2

MCSL-017(P)/S1

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2017

00969

MCSL-017(P)/S1 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time : 2 Hours

Maximum Marks : 50

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

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1. (a) Write an interactive C program to delete a specific line from a text file. 10
- Note : Use File Handling Concept.*
- (b) Write an interactive C program to calculate the average of all the "N" elements of an array. 10

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the sum of three BCD numbers stored in the memory.

20



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No. of Printed Pages : 2

MCSL-017(P)/S2**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

00485

Term-End Practical Examination**June, 2017****MCSL-017(P)/S2 : C AND ASSEMBLY LANGUAGE PROGRAMMING***Time : 2 Hours**Maximum Marks : 50*

- Note :**
- (i) *There are two sections in this paper.*
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 - (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 find the length of the string using recursion. 10
- (b) Write a C program to print the kth element of an array. 10

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to convert a 4-digit BCD number into its binary equivalent. 20
-



No. of Printed Pages : 2

MCSL-017(P)/S3

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2017

00293

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

Time : 2 Hours

Maximum Marks : 50

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

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

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

SECTION B

Assembly Language Programming

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



No. of Printed Pages : 2

MCSL-017(P)/S4

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2017

00175

MCSL-017(P)/S4 : C AND ASSEMBLY LANGUAGE PROGRAMMING

Time : 2 Hours

Maximum Marks : 50

- Note :**
- (i) *There are two sections in this paper.*
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 - (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 interchange the rows and columns of an $M \times M$ matrix. 10
- (b) Write a C program to find the smallest word in a given string. 10

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to convert a given decimal number to its binary equivalent. 20
-



No. of Printed Pages : 2

MCSL-017(P)/S1

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

December, 2017

01953

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 **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. Write an interactive program in 'C' which should be menu-driven, to read a list of student names and perform the following operations using functions : 20
- (a) To print the list of names.
 - (b) To sort them in alphabetical order (A – Z).
 - (c) To print the sorted names-list.

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to convert a 2-digit decimal number to its octal equivalent.

20



**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

02023

December, 2017

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 **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. Write an interactive 'C' program to read a list of N numbers and delete the duplicates and print the list.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the 2's complement of a binary number.

20



No. of Printed Pages : 2

MCSL-017(P)/S3

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

01253

December, 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. Using file handling concept in 'C', write an interactive 'C' program to process the pay to calculate the Gross_salary and Net_salary for the current month. The data file should contain the Name, Basic, Dept_Name, Attendance for the month, Allowances and deductions.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to

(a) add two binary numbers.

(b) subtract two binary numbers.

20



No. of Printed Pages : 2

MCSL-017(P)/S4

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

December, 2017

01233

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 **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. Using structures, write an interactive 'C' program to find the total marks, average marks in the first semester of MCA for 10 students of your study centre. 20

Note : Assumptions can be made wherever necessary.

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the sum of 3 binary numbers given as input.

20



No. of Printed Pages : 2

MCSL-017(P)/S1

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2018

00455

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 **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

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1. Write an interactive C program to display the sum of series
- $$1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots + \frac{1}{n}.$$

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to add two 8-bit BCD numbers.

20



No. of Printed Pages : 2

MCSL-017(P)/S2

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2018

00242

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 **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. Write an interactive C program for removing the duplicate element in an array of elements.

20

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to arrange the given list of N numbers in descending order.

20



No. of Printed Pages : 2

MCSL-017(P)/S3

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2018

00565

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. Write an interactive program in 'C' using "Switch" statement to make a choice to perform the following functionalities on the list of 'N' numbers : 20
- (a) Arrange them in ascending order
 - (b) Arrange them in descending order
 - (c) Find sum of all the "N" numbers
 - (d) Exit

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to convert a 4 digit BCD number to its binary equivalent.

20



No. of Printed Pages : 2

MCSL-017(P)/S4

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

June, 2018

00332

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 **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. Write an interactive 'C' program to swap the values of 2 variables using 20
- (a) Call by value
 - (b) Call by reference

SECTION B

Assembly Language Programming

2. Write an 8086 assembly language program to find the sum and the average for the given list of N numbers as input.

20



151193

No. of Printed Pages : 2

MCSL-017/S2

Master of Computer Application (MCA)

Term-End Examination

December, 2018

'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 yet successful.
-

[2]

Section—A

('C' Programming)

1. Write a C program to check whether the given number is an Automorphic Number or not ?

Hint :

An automorphic number is a number, the square of which contains the number in the end.

Example ;

20

(i) 6, 36

(ii) 5, 25

Section—B

(Assembly Language Programming)

2. Write an 8086 assembly language program to find the sum of two binary coded digits (BCD) stored in the memory.

20

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MCSL-017/S4

Master of Computer Application (MCA)

Term-End Examination

December, 2018

C AND ASSEMBLY LANGUAGE PROGRAMMING

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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 for 20 marks.
- (iv) Each Section has 5 marks for viva-voce separately.
- (v) Attempt only those Section(s) in which you are not yet successful.
-

[2]

Section—A

(C Programming)

1. Write an interactive C program to generate a simple billing application for a Computer-store which sells computers, printers, scanners and other accessories. 20

Note : Assumptions can be made wherever necessary. Use structures concept.

Section—B

(Assembly Language Programming)

2. Write an 8086 assembly language program which subtracts two ASCII numbers. 20

