

I MCA SEM-I (2014 Course) CBCS : SUMMER - 2019
SUBJECT : C PROGRAMMING - I

Day : Monday
Date : 22/04/2019

S-2019- 2115

Time : 02.00 PM TO 05.00 PM
Max. Marks : 100

N.B.

- 1) Solve any **FOUR** questions From Section – I. Each questions carries 15 marks.
- 2) Solve any **TWO** questions From Section – II. Each questions carries 20 marks.
- 3) Answers to both the sections should be written in the **SAME** answer book.

SECTION - I

- Q.1** a) Explain various data types used in C Language.
b) 'C is a middle level language'. Justify the comment.
- Q.2** Explain the following operators in C language with example:
i) Arithmetic
ii) Relational
iii) Assignment
- Q.3** a) Write a C code to find the minimum amongst three numbers.
b) Explain any two Control statements in C language with example.
- Q.4** What are the different methods to pass an argument to a function, give example.
- Q.5** Write short notes on:
a) String functions
b) Print f(), Scanf ()
c) Storage Classes
- Q.6** a) Write a C code for swapping of two numbers using function.
b) Write a C code to print the Fibonacci series.
- Q.7** What are the different types of array? Write a C Code to illustrate addition of two matrix using array.
- Q.8** Write a C code to print following pattern:
a)

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

b)

```
 *
 * *
 * * *
 * *
 *
```
- Q.9** a) Write C code to count the number of characters in a given sentence.
b) Write a C code to reverse the given numbers using function.
e.g : Input - 1234
Output - 4321

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