

S.D.E.

M.C.A. Sem – I (CBCS - 2018 Course) : SUMMER - 2019

SUBJECT: C PROGRAMMING

Day: Thursday  
Date: 02/05/2019

Time: 10.00 AM TO 1.00 PM  
Max Marks. 70

S-2019-5240

**N.B.**

- 1) Attempt any **FOUR** questions from Section – I and attempt any **TWO** from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both sections should be written in **SAME** answer books.

**SECTION - I**

- Q.1** Define following (10)
- a) Compilation process
  - b) Object code
  - c) Source code
  - d) Executable code
- Q.2** What is expression in C? Explain arithmetic and relational expressions in C. (10)
- Q.3** Explain while loop, do while loop and infinite loop. (10)
- Q.4** What is an array? Explain linear search using an array. (10)
- Q.5** Explain built-in functions? Explain functions prototypes. (10)
- Q.6** Write short notes on any **TWO** of the following (10)
- a) Type casting
  - b) Enumerated data types
  - c) Linked list

**SECTION - II**

- Q.7** a) Write a program to calculate sum of marks of five subjects and calculate percentage (08)
- b) Write a program for multiplication of two floating point numbers. (07)
- Q.8** a) Write a program to find factorial of a number. (08)
- b) Write a program to find sum of digits of a five digit number. (07)
- Q.9** a) Write a program to find a maximum number of an array. (08)
- b) Write a program to find sum of two matrices. (07)

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