Day: Friday   Time   02.00 PM TO 05.00 PM
Date : 03/05/2019   **S-2019-4943**   Max. Marks : 70

N.B.

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

SECTION-I

Q.1   What is an algorithm? Differentiate between procedure and algorithm.   **(10)**

Q.2   What is flow-chart? Explain different symbols used in flow-chart.   **(10)**

Q.3   Write an algorithm to swap two numbers.   **(10)**

Q.4   What is procedure oriented programming? Explain the benefits of procedure   **(10)**
oriented programming.

Q.5   Write an algorithm to find prime numbers up to 100.   **(10)**

Q.6   Write a short Note on any Two of the following :   **(10)**

a)   Control structure

b)   Pseudo-code

c)   Tracing of algorithm

d)   Bubble Sort

SECTION-II

Q.7   What is an array? Write an algorithm for linear search.   **(15)**

Q.8   Write an algorithm for following :   **(15)**
a) Average of n numbers.
b) Find maximum in a given list.

Q.9   Sort following list using selection sort :   **(15)**

11, 2, 19, 4, 5, 6, 88, 71

Also write an algorithm for selection sort.

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