# MH-104

**March-2021**

**BCA, Sem.-I**

## CC-102 : Introduction to Programming Language using 'C
(New)

**Time : 2 Hours]**            **[Max. Marks : 50**

**Instructions :**   (1)    **All** questions in **Section – I** carry equal marks.

               (2)    Attempt any **TWO** questions in **Section – I**.

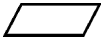               (3)    Question – **V** in **Section – II** is **COMPULSORY**.

### Section – I

I.    (A)   Give the classification of Programming Languages and explain Low level language in detail. Write advantages and disadvantages of low level language.    **10**

     (B)   Write an algorithm and draw a flowchart to find square of given number.    **10**

II.    (A)   Explain switch case structure with syntax and suitable example.    **10**

     (B)   Explain nested if with syntax and suitable example.    **10**

III.    (A)   Explain declaration and initialization of one dimensional and two dimensional array with   suitable example.    **10**

     (B)   Explain for loop with syntax and suitable example. Also explain nested for loop with example.    **10**

IV.    (A)   What is function ? Explain different categories of function with suitable example.    **10**

     (B)   What is string ? Explain following functions : strcpy(), strcat(), strcmp() and strlen().    **10**

## Section – II

V.  **MCQs (Any 5 × 2 marks each)**                                           10

(1)  _____ symbol is used for input in flowchart.

(a)  ▭                                        (b)  ◇

(c)  ▱                                        (d)  ○

(2)  A variable can be made constants by using _____ keyword at the time of initialization.

(a)  CONST                                    (b)  constant

(c)  const                                    (d)  None of above

(3)  The _____ is not a keyword.

(a)  default                                  (b)  if

(c)  int                                      (d)  num

(4)  The » is a _____ operator.

(a)  Logical                                  (b)  Size of

(c)  Bitwise                                  (d)  Unary

(5)  Which of the following is valid variable ?

(a)  $No                                      (b)  1No

(c)  No_1                                     (d)  1 No

(6)  Which one is an entry controlled loop ?

(a)  do..while                                (b)  while

(c)  break                                    (d)  None of above

(7)  The _____ function determines the length of the string.

(a)  strcpy()                                 (b)  strcmp()

(c)  strcat()                                 (d)  strlen()

(8)  The function calls itself is called____.

(a)  recursion                                (b)  main()

(c)  user defined function                    (d)  None of above

(9)  Each string in C ends with _____ character .

(a)  '\1'                                     (b)  '\0'

(c)  '\2'                                     (d)  None of above

(10)  _____ is a default storage class of all local variables.

(a)  static                                   (b)  extern

(c)  auto                                     (d)  register

_____