Roll No. 18.BCA.11033

B.C.A. (I)
1702

Prog. C

B.C.A. (Part-I) EXAMINATION, 2018
PAPER - II
BCA: 102- Programming with C

Time Allowed - Three Hours
Maximum Marks - 80

नोट :— (1) प्रश्न संख्या 1 अनिवार्य है। शेष प्रश्नों में से किन्ही चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान है।

Note :- (1) Question No. 1 is compulsory. Attempt any FOUR questions from the remaining questions.

(2) All questions carry equal marks.

1. (a) What is flow chart ?

(b) How expression is different from statement ?

(c) What is an operator ?

(d) Name any five string function.

(e) How many types of data type ? Name also.
(f) What is a use of '?:' Operator ?
(g) What is an Array ?
(h) Given name of language which follow 'TOP-DOWN' and 'BOTTOM-UP' Programming Technique? One names each.

2. (a) What do you mean by program ? Explain the characteristics of it.
   (b) What is flow chart ? How it is helpful for making in program construct ? Explain it.

3. (a) What is token ? Explain any four with an example.
   (b) What is an operator ? Explain any four with an example.

4. (a) What are control statements ? How many types of it ? Explain any one from it.
   (b) What do you mean by variable ? How many types of it ? Explain with an Example.

5. (a) What is an Array ? How many types of it ? Explain two Dimensional Array with an Example.
   (b) What are functions ? How many types of it. Give example of a recursion.

6. Short notes on : (Any Four)
   1. Storage clauses
   2. Type conversion
   3. Continue statement
   4. Math function
   5. Pre Processor directives

7. 1. Differentiate : (Any four) with an Example).
      a) Goto and break
      b) call by value and call by reference
      c) entry and exit loop
      d) Local and global variable
      e) Structure and Union

   2. Write a program to multiplication of two given matrix.
      (Note : Matrix size will be generated during runtime)

      or

      Write a program to display following pattern :
      (Any two)

a)	b)	c)	d)
1	0	A	Z
212	10	AC	YZY
32123	010	ACE	XYZYX