

“प्रश्न-पत्र पर केवल (रोल नम्बर) के अतिरिक्त कुछ भी न लिखें, अन्यथा इसे अनुचित साधनों का प्रयोग माना जायेगा तथा नियमों के अनुसार कार्यवाही की जायेगी।”

“Do not write anything on question-paper except Roll Number, otherwise it shall be deemed as an act of indulging in unfair means and action shall be taken as per rules.”

B.C.A. (I)

Roll No. 11BCA62615

1702

Prog. C

B.C.A. (Part-I) Examination 2019

Paper-II

BCA-102: Programming with C

Time Allowed - Three Hours

Maximum Marks - 80

नोट :- (1) प्रश्न संख्या एक अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान हैं।

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

(2) All questions carry equal marks.

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(01)

Contd.

(2x8=16)

- 1- a) What do you mean by keyword?
- ➔ b) What is algorithm?
- c) Define Symbolic Constant.
- d) Differentiate between `putch ()` and `getchar ()`.
- e) Explain `++` operator.
- f) What is array?
- g) What is Pointer?
- h) What do you mean by data type?

- 2- a) Define flowchart. Explain any five symbols used in flow chart in brief. (8)
- b) Explain the structure of a C Program with an example. (6)

- 3- a) What is an operator? Explain different types of Operators available in C-language. (8)
- b) Write a C-Program to generate a fibonacci series of n number, where n is defined by a Programmer.
1 1 2 3 5 8 13 21 ...
Series should be as above. (8)

Differentiate between the following:- 4x4=16

- a) While and do while loop.
- b) Break and continue.

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- c) structure and union.
- d) library and user defined function.

- 5- a) What is recursive function? Write C Program to find factorial of n number using recursive function. (8)
- b) Explain the following in brief:- 2x4=8
 - i) auto
 - ii) static
 - iii) register.
 - iv) extern

- 6- a) Write a C Program to add two matrices and store result into third matrix. (8)
- b) What is string? Explain any four functions used in string. (6)

- 7- Write short notes on the following:- 4x4=16
 - i) Switch statement.
 - ii) File handling functions.
 - iii) Top down and bottom up techniques.
 - iv) local and global variable.

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