"प्रश्न-पत्र पर क्रमांक (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."

Roll No. 16B(A 1054

B.C.A. (I) 1702

Prog. C

### B.C.A. (Part - I) Examination 2016

# Paper - II BCA-102 : PROGRAMMING WITH C

Time - Three Hours Maximum Marks - 80

#### भाग – अ Part-A

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

(2) सभी प्रश्नों के अंक समान हैं।

BCA/1702/1300

(1)

(Contd.)

Write a C program for the following suspice: (2) All questions carry equal marks, 1123581321 Explain in brief the following :-CO What are Key Words ? What do you understand by data types ? Explain What are Rules for making flow chart? (b) scope rule of a variable. Explain the concept of preprocessor. (c) Write a c program to check whether monther in (0) Explain Recursion ? even or said. (e) Explain Decision Tables. Flow Chart & algorithm (0) What is recursive function? Write advantages and Precedence & Associativity of operator. (g) disadvantages of recursive function. Also write (h) Initialization of array. 2x8+16 C program to find factorial of N number. Explain the working of :-What is pointer? What are the uses of pointer? 4×2=8 (i) For Statement How Pointer variable is different from (ii) Switch Statement variable. (b) Write a program to find prime numbers from 1 What is a structure ? How is it different from smon? Explain with suitable example. Discuss :-What are Library and user defined functions? (a) Variable. Describe different types of user defined (b) Constant functions. (c) Symbolic Constant BCA/1702/1300 BCA/1702/1300 (2)(Count.)

Note: (1) Question No. 1 is compulsory. Attempt any

FOUR questions from the rensaining questions.

(Contd.)

(d) Unary and binuty arithmetic operators.

	9			
	(b)	Write a C Program to add two matri	ces and sto	ore
		result into third matrix.	9	8
8.	(a)	What is the use of f open() function	? Explain	in
- 9		detail.	# #\$E	5
	(b)	Explain f read() and f write()	function	in
		detail.	<b>30</b> 35	5
(4)		THE TOTAL TO	ATT WOOD	
	(c)	Write short notes on:		
		(i) PSeudo Code		
		(ii) Flow Chart and algorithms.	3×2=	=6

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

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Roll No. ....

B.C.A. (I) 1702

Prog.C

B.C.A. (Part-I) Examination 2017

## Paper- H

### BCA 102: Programming with C

Time - Three Hours Maximum Marks - 80

- नोट :- (1) प्रश्न संख्या एक अनिवार्य है। शेष प्रश्नों में से किन्ही चार को हल कीजिए।
- Note:- (1) Question No. 1 is Compulsory. Attempt any four questions from the remaining questions.
- नोट :- (2) सभी प्रश्नों के अंक समान है।
  - (2) All questions carry equal marks.

1702/BCA/1300

(01)

1-(a)	What is the use of gets and puts?		/3-(a)	Explain any five with examples.	e string manipulatio	n Library Function
(6)	Give any two differences between squeue	nes & uniou?	(b)	Design and dev	relop a C program	o read a year as an
(c)	What are enumerated data types? Give at	i example.		input and Find whether consider end of the cer		it is leap year on not rusts uries?
(e)	What are the advantage of high level lan machine language? Diffrenciate between Logical Error and ran		4-(a)	What is dynar explain the dif function in C.	nic memory alloc fferem dynamic n	8+8=16 ration? Write and remory affocation
_(t)	What are Pre processor directives?		(b)	What is a file? E		open and file close
(c)	List any five Date and time Fonction?	14		na-termination (		8+8=16
(0)	Define an array to store marks of 30 str subjects?	udents in 3 8 x 2 = 16)	5·(a)	Explain the diffe examples?	erent kinds of Joops	available in C with
2-00	What is Pseudo Code? How it is used as olving tool.		(b)	Write a program	ı far Tawers of Ho	nol problem using
(b) E	xplain the use of break and continue at	ntement in				8+8=16
le	oops with example?	6	6-(a)	Explain array of	of structures and	structure within a
	hat is an operator? Explain the Alelational, Logical operators in C Langua		_(6)	Write a C Progr. Pointers method	am to swap two mi	mbers using call by
1703/BCA/13	00 (02)	Const.				8+8=16
			1702/60	A/1300	(05)	Comd
			14			

7-(a)	Write a C Program to reverse of an integer numb NUM and check whether it is PALINDROME NOT?	er or
(b)	Explain the working of :-	
(i)	Nested if-else	
(ii)	pointer to pointer	
	8+8=1	6
8-(a)	What are Primitive and non-primitive data types?	5
(b)	Explain the array of pointers with example?	5
(c)	Write a program in C to print the numbers from 4 to	9
9.02	and their squares?	6