

BCA-06
June - Examination 2018
BCA Pt. I Examination
Programming in C
Paper - BCA-06

Time : 3 Hours]

[Max. Marks :- 100

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A

10 × 2 = 20

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

- 1) (i) What is Algorithm?
- (ii) What is Flowchart?
- (iii) What is the difference between putw() and puts()?
- (iv) What is purpose of malloc?
- (v) What is the difference between structure and union?
- (vi) What are looping constructs?
- (vii) What is function?
- (viii) What does static variable mean?

- (ix) List C keywords?
- (x) What is the use of typedef?

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) What is a stack? Explain it with its application.
- 3) Write a C program to read and display a text from the file.
- 4) What is a command line argument? Illustrate with the help of an example.
- 5) What are formatted file input and output?
- 6) Write a C program to swap two numbers using call by pointers method.
- 7) What is dynamic memory allocation? Write and explain the different dynamic memory allocation functions in C.
- 8) Write a C program to print the following pattern in C language using for loop:
1
1 2
1 2 3
- 9) What is an operator? Explain the arithmetic, relational, logical and assignment operators in C language.

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) Explain array of structure? Explain the syntax of structure declaration with an example.
 - 11) Explain array of structures and structure within a structure with examples.
 - 12) What are formatted file input and output?
 - 13) What is storage class? Explain the different storage classes available in 'C' programming.
- _____