BCA-06

December - Examination 2015

BCA Part 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 x 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 does static variable means?

      (ii)   What are the different storage classes in C?

      (iii)   List the uses of header files in C.

      (iv)   Can a variable be both constant and volatile?

      (v)   Differentiate between while and do-while.

      (vi)   What is recursive function?

      (vii)   Write down any two file opening mode in C.

(viii) What is Null Pointer?

(ix) What is the difference between Calloc ( ) and Malloc ( )?

(x) What are Macros?

Section - B   4 x 10 = 40
(Short Answer Questions)

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

2) What are conditional statements in C language? Explain.

3) What are the Basic data type in C? Discuss in brief.

4) Discuss the break and continue statements.

5) What do you mean by functions? Explain.

6) What is the difference between bottom up approach and top down approach?

7) Describe the input and output operations in files in C language.

8) What is the difference between array and string in C?

9) Write a C program to print Fibonacci series up to in terms.

Section - C   2 x 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 the various Pre-processor in C with the help of suitable example.

11) What is the concept of function in C? Describe various type of it. How will you pass an array to a function? Explain with the help of suitable example.

12) What are the key features of C language or what are the characteristics of C language.

13) What is the difference between structure oriented, object oriented and non-structure oriented programming language?

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