

BCA-06**B.C.A. Examination, June-2015**

Programming in C

BCA-06*Time : Three 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

(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. $2 \times 10 = 20$

1. (i) What is flow chart?
- (ii) What are possible ways to put comment in C code?
- (iii) Write down the difference between compiler and interpreter.
- (iv) Write down any four keywords of C language.

- (v) Write down name of any two bitwise operator in C.
- (vi) Differentiate while and do while loop statement in C.
- (vii) What is recursive function?
- (viii) What is String?
- (ix) Differentiate structure and union.
- (x) Write down any two file opening mode in C.

Section-B

(Short Answer Questions)

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

10×4=40

1. What are the basic data types in C? Discuss in brief.
2. Discuss the break and continue statements.
3. Write C program to find whether given year is leap year or not.
4. What is pointer and how pointers are declared? Discuss advantages and disadvantages of pointers.
5. Write C program to print fibanacchi series upto n terms.

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7. Differentiate the concept of "pass by value" and "pass by reference".
8. Briefly describe the input and output operations on files in C language.
9. Explain fseek() function with help of appropriate example.

Section-C

(Long Answer Questions)

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

20×2=40

10. Describe all conditional statement given in C language with the help of suitable example.
11. What is concept of function in C? Describe various types of it. How will you pass an array to a function? Explain with help of suitable example.
12. Explain the various preprocessors in C with help of suitable example.
13. Explain the concept of array in C. Describe various types of array. Also discuss the syntax of declaration and definition of array along with suitable example.

—X—

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