

0034618



K19U 3221

Reg. No. :

Name :

I Semester B.C.A. Degree (CBCSS- Supplementary/Improvement)

Examination, November-2019

(2014 -2018 Admissions)

CORE COURSE

1B01 BCA: PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 40

SECTION - A

One word answer. Half mark each. Answer all questions. (8×½=4)

1. a) Arithmetic operations can be performed on character type data. True or False.
- b) Int K = 2.0/9; The value of K is -----
- c) The range of double data type is -----
- d) The conversion character [$\backslash n$] is used for -----
- e) ----- is used to receive multi-word strings.
- f) Maximum number of elements in a[5][7] is -----
- g) ----- operator is used to copy values of all structure elements at once.
- h) -----function is used to get the current location of the pointer in a file.

SECTION - B

Answer any 7 questions. 2 marks each. (7×2=14)

2. What is mean by top-down design?

P.T.O.



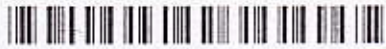
3. What are the different types of control instructions?
4. Distinguish between formal arguments and local variables.
5. Write the statement to initialize name of months using pointers.
6. Why numeric arrays don't end with a null character?
7. `int i; float a[5] = {1.5, 2.8, 6.25, 8.96, 9.8};` compare the use of `a[i]` and `i[a]` in a loop where `i` varies from 1 to 5.
8. `char s[] = "Sofia";`
`char * p = "Humanoid";`
`s++; *s = 'A';`
`p++; *p = 'l';`
What will be the result of the above statements?
9. Give an example for the use of nested structure.
10. What are the different file opening modes?
11. What are tokens?

SECTION - C

Answer any 4 questions. 3 marks each.

(4×3=12)

12. Write a program to input a number through the keyboard and print a new number by adding 1 to each of its digits.
13. What are the parameter passing techniques used in C? Explain with examples.
14. Write a recursive function to reverse a string.
15. Explain different data types in C.
16. Write a program to print sales bill using array of structures.
17. Write a program to compare two dates stored in structures.

**SECTION - D**

Answer any 2 questions. 5 marks each.

(2×5=10)

18. What are the different types of loops used in C? Explain with examples.
 19. Write a program to write into and read from a file using command line parameters.
 20. Write a program to find the product of two matrices use functions.
 21. What are the different types of operators used in C?
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