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(20524)
BCA-II Sem.

(Printed Pages 4)
Roll No.

18006
B.C.A. Examination, May-2024

C-Programming
(BCA-202)

Time : Three Hours / [Maximum Marks : 75]

Note : Attempt all sections as per instructions.

Section-A

Note : Attempt all 5 questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words.

1. What are header files and their uses?
2. What is the difference between macro and functions?

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3. What is a structure? How it is different from Union?
4. What is static memory allocation and dynamic memory allocation?
5. What is the difference between `getc()`, `getchar()`, `getch()` and `getche()`?

Section-B

Note : Attempt all 2 questions out of the following 3 questions. Each question carries 7.5 marks. Short answer is required not exceeding 200 words.

6. Write a C program that reads 20 integer numbers from keywords and sort them in ascending order.
7. Write a C program to check input string is palindrome or not without using any string library function.

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8. Write a C program to add two complex numbers by passing structure to a function.

Section-C

Note : Attempt any **3** questions out of the following **5** questions. Each question carries **15** marks. Answer is required in details. <https://www.ccsustudy.com>

9. What do you mean by pointer? Write C program to access elements in a 2 dimensional array using pointer.
10. How string is different an array? Write a C program convert a lower case string to upper case string without using string manipulation function.

11. Write a program in C to count the number of words and characters in an input file test 1.txt.
12. Write a program in C for the multiplication of two matrices of size 4×4 .
13. Create a structure named 'Book' to store book details like title, author, and price. Write a C program to input details for three books, find the most expensive and the lowest priced books, and display their information.