

18006

B.C.A. Examination, May-2025

'C' PROGRAMMING

(BCA-202)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt **all** the sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : Attempt **all** the **five** questions. Each question carries **3** marks. Very short answer is required. $5 \times 3 = 15$

1. What is pointer? 3
2. What is string? 3
3. What are shift operators? 3
4. What is union? 3
5. What are command line arguments? 3

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Section-B

(Short Answer Questions)

Note : Attempt any **two** questions. Each question carries **7.5** marks. Short answer is required not exceeding **200** words. $2 \times 7.5 = 15$

6. Explain different categories of Pre-Processor directives used in 'C'. 7.5
7. Explain the difference between array and structures. 7.5
8. What is function? Explain the type of functions based on parameters. 7.5

Section-C

(Detailed Answer Questions)

Note : Attempt any **three** questions. Each question carries **15** marks. Answer is required in detail. $3 \times 15 = 45$

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9. Define string. How string is declared and initialized? Explain string input/output function with an example. 15

10. Write a program in C to read the contents of a file, convert them into uppercase and copy to another file using file handling.

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11. What is meant by structures and union? How they are used in C? Explain by writing a program for both. 15

12. Explain following function with syntax and example 15

(a) fgetc () (b) fputc ()

(c) fscanf () (d) fprintf ()

13. Write note on the followings: 15

(a) Nested structure

(b) Dynamic memory allocation

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