



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

BCA

1st Semester Examination 2021

C PROGRAMMING LAB

PAPER—1196

Full Marks : 70

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any *two* questions.

2×35

1. Write a program to reverse a given integer.
2. Write a program in C to find the prime factors of a given number.

3. Write a program to generate Fibonacci series.
4. Write a program in C to convert a given binary number to its decimal equivalent.
5. Write a program in C to concatenate two given String without using any built-in string function.
6. Write a program to print the sum of digits of a given number.
7. Write a program in C to multiply two matrices taken as an input from the user.
8. Write a program in C to print the following triangle :

```
      1
     2 3
    4 5 6
   7 8 9 10
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(Internal Assessment : 30)

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