

## 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.

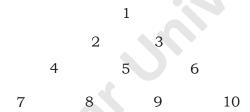
Illustrate the answers wherever necessary.

Answer any two questions.

 $2 \times 35$ 

- 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:



(Internal Assessment: 30)