2020

BCA

1st Semester Examination

C PROGRAMMING LAB

PAPER—1196

(PRACTICAL)

Full Marks : 100

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.

Answer any *two* questions.   35×2

1. Write a program in C to swap two given numbers using a function.

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

3. Write a program in C to convert a given decimal number to its binary equivalent.

4. Write a program in C to concatenate two given string without using any built-in string function.

5. Write a program in C to multiply two matrices taken as an input from the user.

6. Write a program in C to print the following triangle:

```
                *

           *         *
        *       *         *
     *       *       *        *
......................................................
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7. Write a program in C to check whether a given year is a leap year or not.

8. Write a program in C to display the reverse of a given number and the difference between them.

[Internal Assessment : 30]

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C/21/BCA/1st Seme/1196 *(Turn Over)*