B.Sc.-CBCS/IS/COS/H/C1P/ 17(Pr)(Set-1)

2017

COMPUTER SCIENCE

[Honours]

(CBCS)

(Practical)

PAPER – C1P

Full Marks : 20

Time : 2 hours

Answer any **one** question

The questions are of equal value

[Set—1]

1. Write a program in C/C++ to pass the address of two variables.

2. Write a program in C++ to print the maximum and minimum element of an array. *Element of an* array shall be entered by a user.

3. Write a program in C/C++ to generate prime number within range 1 to *n*.

4. Write a function in C/C++ that checks whether a given string is palindrome or not ? Use this function to find whether the string entered by user is palindrome or not.

5. Write a program in C/C++ to display Fibonacci series using recursion.

6. Write a program to create a structure student containing fields for Roll_No, Name, Class, Year and Total mark. Create 10 students data and display it.

7. Write a program to calculate number of vowels in a string. String must be read from keyboard.

8. Write a program in C++ to overload ++ operator.

9. Write a program in C++ using constructor.

10. Write a program in C/C++ to concatenate two string without using streat function.

Laboratory Note Book	—	02
Viva-voce	—	03

**B.Sc.-CBCS/IS/COS/H/C1P/
17(Pr)(Set-2)**

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COMPUTER SCIENCE

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(CBCS)

(Practical)

PAPER – C1P

Full Marks : 20

Time : 2 hours

Answer any **one** question

The questions are of equal value

[Set—2]

1. Write a program in C/C++ to compute the sum of the first in terms of the following series

   $$S = 1 + 1/2 + 1/3 + 1/4 + \ ....$$

2. Write a program in C++ to access public data member inside main using object name.

3. Write a program in C/C++ to print a triangle of stars as follows :

```
              *
           *     *
        *     *     *
     *     *     *     *
  *     *     *     *     *
```

4. Write a program in C/C++ to reverse the input string without using stress function.

5. Write a program in C++ to overload any one assignment operator.

6. Write a program in C++ to create a class shape containing length, breath and height. Include methods to calculate volume.

7. Write a program in C/C++ to create a structure to store id, name and salary of five employees. Display it on demand.

8. Write a program in C++ to declare integer variable dynamically and print the memory addresses.

9. Write a program in C++ to show the implementation of a friend function.

10. Write a program in C/C++ to search an element from a set of data present in an array.

Laboratory Note Book — 02

Viva-voce — 03

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