

2018

CBCS

3rd Semester

COMPUTER SCIENCE

PAPER—GE3P

(Set-1)

(Honours)

(Practical)

Full Marks : 20

Time : 2 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.

Instrumentation Lab.

Answer any one question (Lottery basis) : 1×15

1. Write a programme in C/C++ to determine whether a given number is prime or not prime.

2. Write a programme in C/C++ to compute the sum of the first 10 terms of the following series.

$$S = 1 + 3 + 5 + \dots$$

3. Write a programme in C/C++ to determine whether a given number is palindrome or not palindrome.
4. Write a programme in find out smallest number from the given three numbers in C/C++.
5. Write a programme in C/C++ to print the grade of a student according to the following rules.

<u>Obtained Marks</u>	<u>Grade</u>
80 to 100	O
60 to 79	E
50 to 59	A
40 to 49	B
0 to 39	D

2018

CBCS

3rd Semester

COMPUTER SCIENCE

PAPER—GE3P

(Set-2)

(Honours)

(Practical)

Full Marks : 20

Time : 2 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.

Instrumentation Lab.

Answer any one question (Lottery basis) : 1×15

1. Write a programme to compute the sum of all even numbers between 1 to n in C/C++.

(Turn Over)

2. Write a programme to find out the factorial of a given number in C/C++.
3. Write a programme to print the reverse of a number in C/C++.
4. Write a programme to show the transpose of a matrix in C/C++.
5. Write a programme in C/C++ to print all numbers between 1 and 50 those are divisible by 3.
6. Write a programme in C/C++ to show the given year is leap year or not leap year.
7. Write a program in C/C++ to show the first 20 natural numbers.
8. Print the pattern using (C/C++)

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      *
    * * *
  * * * * *
* * * * * * *
* * * * * * * *

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9. Write a program (C/C++) to search an element from a list of elements.
10. Write a program (C/C++) to display the name of the day in week, depending upon the number which is entered by keyboard using switch case statement.

[Laboratory Note Book - 02; Viva Voce - 03]
