MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

FIRST YEAR B.TECH (ALL BRANCHES) - ASSIGNMENT #1

COURSE: PROBLEM SOLVING USING COMPUTERS (CSE 1051)
(Regulation 2018)
15.12.2020

Duration: 30 Minutes MAX.MARKS: 05

Instructions to Candidates:

- Answer **All** the questions
- Upload Single .pdf file
- Duration of the Assignment – 30 Minutes (Additional 15 minutes for document upload)

1 What is the result of computation of the following set of independent expressions given the values of a=8, b=10, c=12 all of which are integers? Specify if there are any errors. (2M)

i) `( (5 == 5) || (3 > 6) )`

ii) `((b=2) == 2) && (3 < 6)`

iii) The expression, `a=7/22*(3.14+2)*3/5;` evaluates to

iv) `7==5+2 ? 4 : 3`

2 Briefly explain any two Control Structures in C. (1M)

3 Write a complete C program to generate and print the palindromic prime numbers from 1 to ***N*** using ***while*** loop. (2M)

Sample Output:

```
Enter the Limit n: 999
The Palindromic Prime numbers between 1 and 999:
2 3 5 7 11 101 131 151 181 191 313 353 373 383 727 757 787 797 919 929
```

ALL THE BEST