Name: Adwait. S. Purao
Batch: B/B2 COMPS B
UID: 2021300101

Page No.:
Date. / /

Exp. 1 A

Aim: To implement various functions

Theory: A function in maths is a relation among the inputs (domain) & their outputs (co-domain) where each input has exactly one output, & the output can be traced back to its input.

Conclusion: We implemented 10 of the given 24 functions for a range of 0-100 & function n! for a range of 0-20 in C language using math.h library. I learnt how to convert the output of a program to a text file & how to make a graph out of those values in MS Excel. I also learned about the drastic & rapid growth of some functions like 2^{2^n} & $2^{2^{n+1}}$ whose values approach infinity in a short span of time. Also I noticed that we needed to use "-lm" at the end of command because we used math.h library.