



National University

of Computer & Emerging Sciences Peshawar Campus



Program: BS (CS)

Semester: Spring-2021

Course: MT205-Probability & Statistics

Examination: Assignment # 04

Total Marks: 10, Weightage: 2.5

Date of Submission: 18 / 06 / 2021

Problem

A new computer virus can enter the system through e-mail or through the internet. There is a 30% chance of receiving this virus through e-mail. There is a 40% chance of receiving it through the internet. Also, the virus enters the system simultaneously through e-mail and the internet with probability 0.15. What is the probability that the virus does not enter the system at all?

The End