

Department of Computer Science
Faculty of Computing and Information Technology
University of the Punjab

CC-403 Information Security **BSCSF21 Morning (Term Spring 25)** Student ID: _____

Quiz 01

Time: 15 mins

Marks: 14

Quiz will be cancelled if any student is found looking at his/her neighbor's paper or writing after the expired time.

QUESTION # 1

- A. Define confidentiality in CIA triad. Mention four threats to confidentiality. [2]
- B. Briefly describe the WannaCry ransomware attack. [2]
- C. What do you mean by SGID bit, what it is used for? Give command that will display the files on your Linux machines having their SGID bit set [2]
- D. Pictorially describe asymmetric encryption. Mention three algorithms that you can use for asymmetric encryption. [3]
- E. Give a detailed descriptive note on how CIDR and NATing has significantly extended the useful life of IPv4. [5]