

ITE 3242 – Information Security

ASSIGNMENT 1 - 2019S1

(20 Marks)

Warnings and Instructions:

1. Don't share your assignment **reports with your classmates**. If your classmates copy your assignment reports, it will become unavoidable to **reduce the marks drastically** in case of finding out any kind of resemblance between reports.
 2. Do not **copy and paste directly** from any web contents. Your marks will be reduced in such cases.
 3. Your assignment report should be a **single pdf document** which contains the screen shots, source codes etc. Name of the pdf file:
ITE3242-19S1_<your_index_number>.pdf
 4. **No submissions will be accepted after the defined deadline.**
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1. Briefly explain about physical access control methods which are using to secure Information Systems.
[5 Marks]
2. Briefly explain about following topics related to Cryptography
 - a. Cryptanalysis & Cryptology
 - b. CIA
 - c. Public Key Infrastructure[5 Marks]
3. Briefly explain about five access control models you have learned and explain the operation.
[5 Marks]
4. Critically analyze the operations of IDS, IPS and discuss the advantages and disadvantages of each technology.
[5 Marks]