



THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

ACS-2821-001

Information Security in Business Fall 2019

Assignment 3

Due Date: Nov 27th, 2019

The assignment has a total of 90 marks. Please complete by due date and email the assignment on or before the due date to my University's email account p.pak@uwinnipeg.ca. No assignment will be accepted after the due date. Date/time stamp on the email will be used to determine if the assignment is on time or late. Please submit assignment in **PDF format**. Thank you.

- 1) Please define the following types of hackers (using your own words): (Marks 15)
 - a) White Hat
 - b) Black Hat
 - c) Grey Hat
 - d) Hacktivists
 - e) Cyber Terrorists
- 2) What are the three primary categories in common law? Define each one of them and what are their differences? (Marks 15)
- 3) What are the four areas that physical security domain focuses on? Briefly define them and provide with an example. (Marks 20)
- 4) Why educating staff is so important in security prevention? (Marks 10)
- 5) What are the difference types of operations security controls? Briefly define them. (Marks 18)
- 6) When evaluating a biometrics system, accuracy of a biometric is measure by which two indicators? Named and briefly define them. (Marks 6)

7) Define what is cryptography? Define what is cryptanalysis? And what are the differences between them. (Marks 6)