



COMSATS UNIVERSITY ISLAMABAD, WAH CAMPUS
DEPARTMENT OF COMPUTER SCIENCE

CSC432 - Information Security

Session: Fall 2024

Assessment: Assignment - 1

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Max Marks: 30

Due Date: 27-09-2024

Note: - All questions are compulsory

Question # 1: [CLO1: Understanding & CLO2: Applying]

Case study (Find rest of the details in the book page 1 & 2)

The next day at SLS found everyone in technical support busy restoring computer systems to their former state and installing new virus and worm control software. Amy found herself learning how to install desktop computer operating systems and applications as SLS made a heroic effort to recover from the attack of the previous day. Questions:

1. Do you think this event was caused by an insider or outsider? Why do you think this?
2. Other than installing virus and worm control software, what can SLS do to prepare for the next incident?
3. Do you think this attack was the result of a virus or a worm? Why do you think this?

Question # 2: [CLO1: Understanding & CLO2: Applying]

Case Study (Find rest of the details in the book page 39 & 40)

Soon after the board of directors meeting, Charlie was promoted to Chief Information Security Officer, a new position that reports to the CIO, Gladys Williams, and that was created to provide leadership for SLS's efforts to improve its security profile.

1. How do Fred, Gladys, and Charlie perceive the scope and scale of the new information security effort?
2. How will Fred measure success when he evaluates Gladys' performance for this project? How will he evaluate Charlie's performance?
3. Which of the threats discussed in this chapter should receive Charlie's attention early in his planning process?

Question # 3: [CLO1: Understanding & CLO2: Applying]

Consider the statement: an individual threat agent, like a hacker, can be a factor in more than one threat category. If a hacker hacks into a network, copies a few files, defaces the Web page, and steals credit card numbers, how many different threat categories does this attack fall in. Don't just mention the names provide the detailed explanation?