

Daffodil International University  
Faculty of Business and Entrepreneurship  
Department of Business Administration  
Program: BBA

Semester: Spring-2025  
Time: 1 hour 30 minutes  
Course Code: 0613-223  
Section: 65 (A, B, C, D, E, F, G)

Examination: Midterm  
Full Marks: 25  
Course Title: Cyber security for Business  
Teacher's Name: MI/FK/ MAI/ RT/ FC/ MFH

**Instructions:**

1. Answer all the questions.
2. Any kind of unfair means is strictly prohibited.
3. Read the question attentively, then answer to the point; relevant examples will carry greater marks.

**Question No. 1:** [CLO 1, Level 2]

[Marks: 7]

In today's complex digital landscape, organizations are continuously challenged by a range of cyber threats that target different aspects of their digital infrastructure. A multi-layered security approach is employed to address these vulnerabilities.

**Explain** how the distinct layers within seven-layer cyber security can provide comprehensive protection to defend their digital assets effectively.

**Question No. 2:** [CLO 2, Level 4]

[Marks 2+3+4=9]

The CEO of a government contracting firm was notified that an auction on the dark web was selling access to their firm's business data, which included access to their military clients database. The CEO rapidly investigated the issue and found valid. How did this happen? The firm identified that a senior employee had downloaded a malicious email attachment, thinking it was from a trusted source.

In your response, **analyze** the type of cyber-attack that likely led to this breach, **inspect** which aspects of the CIA Triad were impacted and explain why, and **analyze** effective security measures to prevent such attacks in the future.

**Question No. 3:** [CLO 2, Level 4]

[Marks: 4.5+4.5=9]

In one real-world example, an influencer shared a photo of her full airline ticket on social media without realizing it contained sensitive information—like her ticket number, barcode, and booking details. Unfortunately, a malicious actor spotted this information and used it to interfere with her travel plans, ultimately causing her flight to be cancelled.

**Analyze** the impact of social media oversharing on both personal and organizational cyber security. **List** the strategies that can be implemented to safeguard social media accounts.