



Daffodil International University
Department of Computer Science and
Engineering Faculty of Science & Information Technology
Final Assessment, Spring 2021 @ DIU Blended Learning Center
Course Code: CSE498 (Day), Course Title: Social and professional Issues in Computing
Level: 4 Term: 3 Section: A, B, C
Instructor: ASMFH Modality: Open Book Exam
Date: Wednesday 21 April, 2021 Time: 02:00-05:00pm
Three hours (3:00) to support online open/case study-based assessment Marks: 40

Directions:

- **Students need to go through the CASE STUDY shown in this exam paper.**
- **Analyze and answer specific section based on your own thinking and work.**
- **Do not share as this will be treated as plagiarism by Blended Learning Center.**

1. **[5+5]** Suppose you are a software engineer. Your friend owns a grocery shop. He asks you to write an inventory software for him and he will pay you for this. The software works very well and later you discover that your friend has given copies to his several friends who also operate small grocery shop.
 - a. Do you think your friend should have asked your permission to give away your software? Do you believe the other merchants should pay you for the copies? Why or Why not?
 - b. What is intellectual property? Do You think software should be patented, Why? When a software is patentable?

2. **[10]** Assume, X Company Limited (XCL) is one of the leading 4th generation Life Insurance Companies in Bangladesh. The Company is fully customer focused. This Life insurance company are experimenting with analysis of consumer profiles (to determine whether a person eats healthy food, exercises, smokes or drinks too much, has high-risk hobbies, and so on) to estimate life expectancy. Companies might use the analysis to find populations to market policies to. From the perspective of privacy, what are some of the key ethical or social issues raised? Evaluate some of them.

3. **[10]** Assume, you are Noman. You are the owner of a renowned company namely "Dream Company". Suddenly you noticed that one of your employees, Nira got involved with embezzlement. Your task is to write/find which type of crime is this? What steps should be taken by you as the owner of the company to reduce this type of crime?

4. **[10]** Nowadays, Preservationists are uninterested to transfer some very old movies on old, deteriorating film to digital formats because of difficulties in determining and locating the copyright owners. What aspect of copyright law contributes to this problem? Suggest some solutions.