Daffodil International University

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Midterm Examination, Fall 2020 @ DIU Blended Learning Center
Course Code: CSE498 (Day), Course Title: Social and Professional Issues in Computing
Level: 4   Term: 3   Section: O-(4,5,6,7,8,12)
Instructor: Md. Firoz Hasan   Modality: Open Book Exam
Date: Sunday 7 November, 2020   Time: 02:00PM-06:00PM
Four hours (4:00) to support online open/case study based assessment   Marks: 25

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. Right now, no matter where you live in the world, the coronavirus (COVID-19) pandemic is likely forcing changes to your everyday life. In addition, technology works as blessings in this situation to perform our day-to-day tasks and maintain the safe distance. Now keep this in mind answer the followings   **[2+3=5]**

    a) Mention some Computer Technology you have used during this situation.
    b) Discuss any of the above scenario (advantages or disadvantages) in details.

2. In recent times US government has banned Huawei a china based company from doing any kind of business in US. The reason behind this is, they think this company is capturing people's data invincibly. Earlier, US government also did the same but now it is a threat to them. Unfortunately, the people is suffering the most in terms of privacy for this kind of rivalry between tis countries.
                                                                                                                         [3+2=5]
    a) Define privacy. Should such a service (Invisible Information Gathering) be illegal as a violation of privacy? What are the techniques of gathering them?
    b) What can we do to protect our privacy from such a service (Invisible Information Gathering)?

3. A well-known monthly magazine's editor has removed two articles from the latest edition due to content he considered inappropriate. The local government finances the magazine called, "Spectrum," Two articles were removed from an issue because the editor found their content objectionable. One story was about teen pregnancy, and the other was about child pornography. Few Some human rights activists sued the authority of the magazine, claiming their first Amendment (freedom of speech) rights had been violated. Now answer the followings   **[2+3=5]**

a) Define freedom of speech along with offensive speech?
b) Should the judge have granted the order? Explain with proper reasons according to freedom of speech?

4. Suppose, you work for the National Security Intelligence (NSI). Someone asks you to fake a copy of a person's identification file. He will pay you $500 billion. Now answer the followings **[1+1+1+2=5]**

a) Who are the affected people?
b) What are the alternative actions open to you?
c) What will you do when you know another employee sells files with people's personal information?
d) If someone has caught while doing this what are the factors you will keep in mind when give them a punishment?

5. Think you are the same person of question number 4. Now, answer the followings. **[2+3=5]**
a) Define "Ethics". What do you mean by Computer Code of ethics?
b) "Do not lie" is indeed a great virtue. Briefly explain utilitarianism, consequentialism and deontology using the mentioned line (do not lie).