



# Daffodil International University

Department of Computer Science and Engineering

Faculty of Science and Information Technology (FSIT)

Mid-Term Examination, Semester: Fall 2017

Course Code: CSE 498

Course Title: Social and professional Issues in Computing

Level & Term: L-4 & T-3

Section: All

Course Teacher (With Initial): All

Time: 1 hour 30 min

Total marks: 25

(Answer any five (5) questions from the followings and marks are given at right)

1. In 1996, about half of the e-mail received at AOL was spam, and a lot of it came from a company called Cyber Promotions, an e-mail advertising service founded by Sanford Wallace. AOL installed filters to block mail from Cyber Promotions. Cyber Promotions changed its return address to avoid the filters and obtained an injunction against AOL's use of filters, claiming it Freedom of Speech right is violated and case against AOL. Now consider yourself as a judge and answer the followings.
- a. Define anonymous remailer? Does the potential for harm by the criminals who use anonymity to hide from law enforcement outweigh the loss of privacy and restraint on freedom of speech for honest people who use anonymity responsibly? Why or why not? 2
- b. Who should win the case and why? 3
2. One writer defines privacy as "Freedom from the inappropriate judgement of others".
- a. Mention a theory which will support this definition? 1
- b. Should people have a negative right (liberty) for this kind of privacy? Why or why not? Should people have a positive right (claim right) for this kind of privacy? Why or why not? You must use the definition of both rights. 3
- c. Give an example when positive and negative right contradict and when co-exist? Define anonymous remailer? 1
3. a. Briefly explain "Winner all take Society" phenomenon? What are the problems arise from this phenomenon? How to solve them? 2
- b. "Murder" is indeed a great crime. Briefly explain utilitarianism, consequentialism and deontology using the mentioned line (do not lie). 2
- c. Differentiate between virus and worms? Why we need Digital Signature? 1

4. A public college principal removed two articles from the college newspaper due to content he considered inappropriate. The college newspaper at Princeton College of Arts, "Spectrum," was produced by the journalism class. The district's Board of Education paid for the publication. Two articles were removed from an issue because the principal found their content objectionable. One story was about teen pregnancy, and the other story was about promoting child pornography and abortion. Cathy Kuhlmeier and two other students from the class sued the college, claiming their 1<sup>st</sup> Amendment (freedom of speech) rights had been violated. Now answer the followings

- 1 a) Between the two stories which one is offensive speech and why?
- 3 b) Should the judge have granted the order? Why or why not? Explain with proper reasons according to freedom of speech?
- 1 c) Define Spoofing and sniffing?

5. A business maintains a database containing the names of gamblers. It distributes the list of gamblers who doesn't pay after losing the gamble to members that subscribe. Now answer the followings.

- 1 a) Define privacy? Should such a service be illegal as a violation of privacy?
- 3 b) Describe the likely position of each of the Warren and Brandeis, Judith Thomson with their reasons on this question?
- 1 c) Would your answer to part (a) differ if the question were about a database of tenant history available to landlords?

6. Suppose you are a member of a team working on a computer-controlled crash avoidance system for automobiles. You think the system has a flaw that could endanger people. The project manager does not seem concerned and expects to announce completion of the project soon.

- a) Who are the stakeholders?
- b) What are the alternative actions open to you?
- c) What action will you choose? Whatever you choose will be clearly and fully explained using brainstorming phase and analysis phases?
- d) What will you do when you know another employee whistleblowing this to a negative way?