Networking

Review Questions:

1. **What is internet?**
   The internet is the considered as the largest network in the whole world. It is a network that can connect a millions of people all over the world without the use of cables to connect the computers but it uses Internet Protocol Suite for it to connect to a millions of network users around the world. The internet is the most efficient and easiest way to connect to another person from the other parts of the world. With this, it makes communication with others a lot of easier.

2. **Explain the meaning of the two part of an email address.**
   The username is the first part of an email address that identifies the individual user. Then the other part is the domain name. All school has their own domain name. Then, some schools provide their students an email account in which the students use the domain name of their school. These two part of the email address are always separated by the '@' symbol.

3. **Describe how email is transmitted from the sender to the recipient.**
   First and foremost checked the connection of the internet, make it sure that you are connected to the internet. Then, the e-mail that you have composed will be sent to the recipient by using the e-mail system. This e-mail system uses a store and forward model that allows the user to saved and forward his/her e-mail. It is like a database system of an e-mail. The moment you press the send button, it will directly be stored to the e-mail system then distributes the message with the recipient's address.

4. **Describe similarities between email and ordinary physical mail delivered by a postal service.**
   Email and ordinary physical mail have similarity that is conveying message to other people. They are both means of communication. Although, the way of message delivery is different, they still serve the similar function and that is to deliver personal messages. While they serve the same purpose there are reasons why they differ in the manner of delivery. Emails are used if the message is urgent and do not need a hard or original copy. Physical Mails are used if the message that you send is need to be authenticated, personal documents to be process that needs documentation. A physical mail is also urgent but it needs more requirements to be process personally.

5. **What is spam?**
   A spam is sending electronic messages repeatedly which are unnecessary to the user, the most common way that spam that is being sent is through the e-mail. However, there are other mode of sending spam and other types of spam which are: Instant Messaging Spam, Mobile Phone Messaging Spam, Search Engine Spam and others that usually found in the internet. Most of spams that were sent were marketing a certain product that is not as famous as other products or just a prank product.

6. **What does a spam blocker do?**

The spam blocker makes sure to keep networks from being blooded with spam. The Internet Service Providers or ISPs have set up this spam blocker also known as spam filter to block spam from reaching users' mailboxes. America Online's spam filter block more than a billion email messages per day. These filters look for a huge number of messages coming from the same email address, messages with suspicious subject lines, or messages with spam-like content.

7. **Explain how MAPS attempts to reduce the amount of spam people receive.**

MAPS stands for mail abuse prevention system. It keeps a real-time blackhole list; a list of networks that either forward or allow spam to be created also it makes this list available to third parties. Then, when a mail relay receives an incoming mail message from an untrusted host, it can block the DNS quest with the RBL. Next, it will go directly to the recipient then it automatically scan and accepts the email. There is a time if the email does not accept, it will return to the sender of the email.

8. **What is the difference between email and instant messaging?**

Email or Electronic Mail is a way of conveying message that doesn't need to be replied instantly. For example, I send an email today the recipient of my message will not required replying immediately. The recipient may answer the message anytime he wants. Instant Messaging on the other hand, is a form of messaging that is real time based. The message that I sent was replied immediately by the recipient of my message.

9. **What is a PC Bang?**

PC Bang is a gaming station that very much known to most male teenagers. It somewhat the same with an Internet Café but the only difference between the two is; PC Bang is a gaming center while an Internet Café only offers an internet access. The PC Bang boomed because of the growing population of gamers and developers in the gaming industry.

10. **Describe five uses of the web not covered in the text.**

Example of some uses of the web that not discussed in the text is the following: First, a group of person or an individual can play games with their friends even they are in different location with the use of internet. Some internet players or even internet games have cash involve. Then, a certain person can use the internet to advertise a business or anything he wants to promote to the public. An individual can broadcast something or shout out his opinion through internet. Next, the easy accessibility of the internet anyone can shop, ordering online and paying online through their finger tips. Also the tax payer can pay their taxes thru online without the hassles of going to a bank. Fourth, with the resources given in the wed a man can research and learn from it. An individual can explore something he wants to know like exploring the whole world. Lastly, communication is easily reached through social networking, chat with other people even sending messages to different countries are no difficulties and save a lot of time and money.

11. **What is a URL?**

A URL stands for Uniform Resource Locator. It is a special address which recognizes a certain site found in the internet. It also includes the name of the protocol to be used to access the

file, domain name that has on the specific computer in the internet. Normally, it begins with http or the hypertext transfer protocol. URL is usually called as an address of a resource in the internet.

12. **Summarize the different forms of direct censorship.**
There are three kinds of direct censorship. One is the government monopolization. This form of censorship is mandated by the government in order to control the flow of information that is published in the internet. The other one is prepublication review. This type of censorship is also mandated by government in order for them to hide the materials that they want to keep secret. This kind of censorship is regulated in order to harm the national security. The third type of censorship is licensing and registration. This type of censorship is regulated in order to control the media. This is possible by means of putting a limitation in the bandwidth of electromagnetic spectrum.

13. **According to the U.S. Supreme Court, why do broadcasters have the most limited First Amendment Rights?**
The first amendment of the U.S. Supreme Court states that "Congress shall make no law prohibiting the freedom of speech". Broadcasters are controlled by the station that they work for; they have to maintain the reputation of the station and/or company they work for, thus limiting what they really want to express in the media. Instead they are already given a script to read; unlike editorials in the newspaper wherein they can express their utmost feelings and reactions to a certain event without having to be screened. Broadcasters have to explain the news and have to be unbiased to maintain professional with the viewers. Whether the broadcaster knows the real story behind a crime, he must maintain unbiased.

14. **What characteristics the internet makes censorship difficult?**
In my point of view the characteristics of the internet that makes the censorship difficult is that the internet accessibility makes the communication spread easily like uploading a videos or photos in seconds then in a minute everyone or the whole world can view and comment about it instantly. Internet is made for the use of public. I believe internet has no security yet for websites that should not be viewed publicly. Like pornographic websites, performing such a search on Google, a popular search engine, provided a lot of results to the keyword sex. This provided many links to sexually explicit materials that could be easily accessed.

15. **How does the idea of "Internet addiction" stretch the traditional concept of addiction?**
A thought about internet addiction is that it produces an emotional affection to on-line friends. They can meet people and exchange conversations using the social networking sites, chat rooms and many more. Since then most people spend endless hours in these networking sites. There is no age limit when you are using the internet. Anyone can use it as long as someone has a computer and internet connection. If you would compare internet addiction with the traditional concept of addiction, a lot of people will be in this category of addiction. People nowadays, use the internet everyday whether for school, work or just having fun.

16. **What is the enlightenment view regarding responsibility for addiction?**

The addiction of one person to the internet is his sole responsibility. To begin with, it is personal prerogative of an individual to be addicted to it. For Immanuel Kant, internet addiction is a vice therefore it is something that is bad for us. Just like any other vices, internet addiction is hard to control especially of you are really hooked to it. To sum things up, we should not blame other people with regards to our internet addiction. The choices were made by us therefore it's our responsibility to control it.

17. **Does spam include unsolicited bulk of email from nonprofit organization? Should non-profit organizations be regulated the same way as for profit organizations with respect to their use of unsolicited bulk email?**
Unsolicited Bulk e-mail from Non-Profit Organizations is not considered as spam as long as these unsolicited bulk e-mails are not fraud and for the good of the Organization. However, it is vital that the non-profit organizations should also be regulated the same way as for the profit organizations. It is for the receiver of the mail to know if what they received e-mail is legitimate or not. Through this, unsolicited bulk e-mail will be lessen, not only from profit organization but also from non-profit organization.

18. **Does the Mail Abuse Prevention System have too much authority? What are the risks inherent in widespread use of the Realtime Blackhole List?**
I believe that the Mail Abuse Prevention System or MAPS have too much control but they do not use it properly rather they abused their power. When Mail Abuse Prevention System becomes aware of an email marketer violating the standards, they will right away contact their ISPs and notify them that it may be placed on the Realtim Blackhole List. This is a threat, because many ISPs use the Realtime Blackhole List to remove spam. MAPS has been sued at least five times objecting to being put on the list. Some of the groups like the American Civil Liberties Union have also protested the existence of the blacklist, saying that it restricts free speech. Ordinary internet users can be hurt when an ISP is put on the Realtime Blackhole List. If MAPS lists an ISP, then all who use that ISP for their email account, like spammers and ordinary email users, are locked from sending email to large swaths of the internet. Common email users may be denied the ability to send email to family and friends subscribing to ISPs that refuse all email from networks on the Realtime Blackhole List.

19. **Suppose a fee (an electronic version of a postage stamp) was required in order to send an email message. How would this change the behavior of email users? Suppose the fee was one cent. Do you think this would solve the problem of spam?**
Probably yes, it will solve the problem of spam if there is a fee on every sent message in email because it will not automatically send email messages to the different users right away. This will require the sender to pay an electronic postage stamp to have an email message delivered to the recipient. On the subject of the change of the behavior of email users, I guess a lot of email users will not agree with this idea for the reason that internet user are free-of-charge of sending email messages and add on expenses will be charged to them. The email users might decrease in number but at some point there might be others users that are willing to pay to avoid the spamming issue.

20. **The original Senate version of the CAN SPAM Act required the FCC to create a national "do not email" list. People who did not wish to receive spam would have been able to put**

their email addresses on the list. It would have been illegal for direct email advertisers to send messages to the addresses on the list. Why do you think Congress took this provision out of the final bill?

Perhaps the reason why the congress took this provision out of the final bill is because they are still thinking about the effect on those who sends the SPAM. Most of the SPAM senders are those companies who send advertisement via email. Maybe they think that if they allowed this provision there is a possibility that the sender of these mails may loss a huge amount of money. Also, another reason why they took it out is because not all messages that these companies are sending are not spam.

21. **Internet Service Providers monitor their chat rooms and expel users who violate their code of conduct. For example, users can be kicked off for insulting a person or a group of people based on their race, religion, or sexual orientation; is it wrong for an ISP to expel someone for hate speech?**

    In my opinion, what they did was right. It is not right to judge or insult other people because they are not the same as you are. I believe that one person must analyze first his/her words before telling it others, thus showing respect to others. That person must know his/her limitations especially if you can connect to other people from different parts of the world. Every right in the world has its own limitations. Yes, we can practice our right of speech as long as we don't hurt somebody because of it.

22. **Suppose you are the director of the ISP that serves the email need of 10,000 customers. You have received dozens of complaints from them every week about the amount of spam they are receiving. Meanwhile, Americans spammers are hacking into computers in Jamborea (an East Asian country) and using them to mail spam back to the United States. You estimate that at least 99 percent of email originating from Jamborea is spam. A few of the messages, however, are probably legitimate emails. Should you do anything to restrict the flow of email messages from Jamborea to customers?**
    No, in my perspective they should not do an action to restrict the flow of email messages from Jamborea to the customers. I think, It is not the best solution to avoid sending of spam messages from them. Also, some of the emails from Jamborea are legitimate emails. There will be another means to avoid or lessen the sending of spam messages. One of it is to make your email address as unique as possible. An email address that is not easily be hacked. In this way, it would be more ethical than restricting the flow of email messages from Jamborea to customers.

23. **Stockbrokers are now required to save all their instant messaging communications. Is having a record of everything you type good or bad? Do you think this requirement will change the behavior of brokers?**
    Having a record of every sent message is not that bad because when you need to verify what is in the sent messages you can easily retrieve. It is good idea to have a copy of it to look back what transpire on the conversation. I believe this condition will somehow change the behavior of brokers because some of them might want privacy. They do not want anyone seeing what the stockbrokers are talking back in their conversation. They might think that the ones handling the database where it is stored might have a leak.

24. What are the benefits and harm of internet censorship?

Internet Censorship can be both helpful and unsafe for internet users. It is useful in a way that it filters the content of the web. It filters things that the children are not allowed to see or things that will harm the viewers. Internet censorship is unsafe becasue it violates the freedom of expression of the internet users. Another reason why it is considered harmful is because it hinders transparency with what's happening in the government since censorship is created to filter what information should be shown to the citizens.

25. Discuss similarities and differences between the web and each of the other ways we communicate; the telephone system, physical mail, bookstores, movie theaters, newspapers, broadcast and cable TV. Should government ignore the web, or should they regulate it somehow? If governments should regulate the web, should the regulations be similar to the regulations for one of the aforementioned communication systems, or should they be unique in significant ways?

The similarities between web and other ways of communication, is that it helps to create an invisible bridge of information from the other person to another wherein there's a transfer of information from one another. The differences between web and other ways of communication is that the web is a lot easier and faster compared to the others. With just one click, it will automatically shows the information needed and sends mails a lot faster.

26. Should children be preventive from accessing some websites? Who should be responsible for the actions of children surfing the web?

Yes, I agree that children must be not permitted from accessing some websites. Not all websites are good for children, especially children ages from 7-14. The guidance of their parents is needed, like being open with their children. I believe if parents have set an open communication with their children, they tend to share things with their parents like their problems. With the relationship built up between the parents and the children, the parents will know more about their child. An example of websites that must prevent the children from accessing is the pornographic website. I believe it is one of the reasons why some children at very early age are already father or mother. It would not happen If the parents have a proper guidance with their children.

27. You are in charge of the computers at a large, inner-city library. Most of the people who live in the neighborhood do not have a computer at home. They go to the library when they want to access the Internet. About two-thirds of the people surfing the Web on the library's computers are adults. You have been requested to install filtering software that would block Web sites containing various kinds of material deemed inappropriate for children. You have observed this software in action and know that it also blocks many sites that adults might legitimately want to visit. How should you respond to install filtering software?

Absolutely I will install the filtering software on the computers. For me, the best thing to do to adult internet user that wants to visit those sites that are blocked is to disable the filtering software in their computer. If this idea does not work, then there is no other option but to inform those people who want to access that there are in a library. For protection, they have to deal with the fact that there are also minors who are using the computers at the library and when they see the adults viewing websites that are inappropriate for them, they might try it also.

28. **What is the longest amount of time you have ever spent in a single session in front of a computer? What were you doing?**
Most likely, the longest amount of time I have ever spent in a single session in front of a computer is approximately 10 hours. There are a lot of reasons why I last 10 hours in front of a computer. First I am checking my accounts in the social networking sites such as Facebook, twitter and Google+. I am doing some blogging via tumbler. As well as watching movies aside from doing a research for my assignments.

29. **The income of companies providing persistent, online games depends on the number of subscribers they attract. Since consumers have a choice of many products, each company is motivated to create the best possible experience for its customers. Role-playing adventures have no set-length. When playing one of these games, it's easy to spend more time on the computer than originally planned. Some subscribers cause harm to themselves and other by the spending too much time playing these games. Should the designers of persistent online games bear some moral responsibility for this problem?**
The harm that the gamers are experiencing by spending too much time playing games is the responsibility of the person itself. The person should know how to control his/herself when it comes to his/her health. It is not the developers fault why the gamers caused harm to themselves, it the gamer who caused it to his/herself. The gaming companies job is to only to develop interesting games that could attract game enthusiast. However, instead of only being attract to the games, most gamers got addicted to the game which caused harm to them.

30. **Divide the class into teams where presenting each of the following groups:**

   - **Small, struggling business**
   - **Large, established corporation**
   - **Internet service provider**
   - **Consumer**

   Debate the value of direct email versus other forms of advertising, such as direct mail, television advertising, radio advertising, radio advertising, the Yellow Pages, and setting up a web site.

31. **A company uses pop-up advertising to market its software product, which blocks pop-ups from appearing when someone is surfing the Web. Debate the morality of the company's marketing strategy.**
Yes, believe the company's marketing strategy is good. When somebody is using the internet and a pop-up appeared, this prospective client might check out the product being advertised. Some internet users are irritated with pop-ups, I recommend that the company should not use pop-ups for advertising. It is a good idea that they should put it on the sides, header or footer of a site to avoid annoyance of potential customers.

32. **Ad-blocking software attachments to web browsers enable a web surfer to visit websites without having to view the pop-up advertisements associated with these web pages. Debate this proposition: "people who use ad-blocking software are violating an implicit**

'social contract' with companies that use advertising revenues as a means of providing free access to web pages."

I oppose with the proposal because first of all it's not our responsibility to care whether that pop-up advertisements are used as advertising revenues. I know that it's kind of biased for me to say since I also use Ad-blocking software. Mainly, the reason why people use this kind of software is to be able to surf the net without interruption. There are times that our net connection, maybe even our computer speed becomes slower because there are too many advertisements that are popping up.

33. **A female employee of high-tech company receives on average 40 spam messages per day. About one-quarter of them are advertising pornographic web sites and have explicit photographs of people engaged in a sexual activity. All of these emails pass through the company's email server. The woman sues the company for sexual harassment, saying that the company tolerates an atmosphere that is degrading to women. Is the company responsible for the pornographic spam reaching the computer of its employees?**

The company is not responsible for the pornographic spam reaching the computer of its employees. First of all, the only people that can subscribe to these email lists are the people who know their email addresses; they could have signed in to these lists at another location. Second, as they are spam sometimes the other websites that you give your email address to also sends out spam emails which can contain explicit material. Third, the woman can not sue the company for sexual harassment. The sender of these spam emails are not from the company. The emails' intention is not to sexually harass another person nor does it exert bullying or forcing another person to get into that kind of activity.

34. **In 2000, the Estonian Parliament passed a law declaring internet access to be fundamental human rights of its citizens. What do you think will be the positive and negative consequences of this law?**

I believe that the positive consequences of having a law like the Estonian Parliament passed about internet access to be fundamental rights of its citizen is that everyone is already have an equal treatment when we are talking about an internet access. Everybody can use internet freely; do things that the other internet users can do, like talking to their love ones even when they are far from each other. They can also benefit from the use of internet like others do. On the other hand, crimes with the use of internet may increase. With the reason of people who use internet increased, I think crimes will increase as well.

35. **How do you determine the credibility of information you get from the Web? Does source of the information make any difference to you? If so, how would you rank reliability of each of the following sources of web pages? Does the type of information you're seeking affect your ranking?**
    - **Establishment newspaper**
    - **Counterculture newspaper**
    - **Television network**
    - **Corporation**
    - **Nonprofit organization**
    - **Individual**

I determine the credibility of information I get from the web is by cautiously checking the website. I examine carefully the available information posted on that site if it is reliable or

not. Yes, source of information makes a difference to me because that information has the possibility to be misled or misinformed. Yes, it affects the ranking of the type of information that I am seeking. I don't have any other sources to relay on except the interne

36. **Discuss the morality of Google's page ranking algorithm. Does it systematically exchange web pages containing opinions held only by a small segment of the population? Should every opinion on the Web be given equal consideration?**
Frankly speaking I really didn't know what Google's page ranking algorithm is. However, based from my research and understanding that every opinion in the web should be given equal consideration. That is the reason why there is freedom of expression. Everyone needs to express their own ideas and opinions. They want other people to know their side that is why equality in page ranking should be considered.