

## CS419 Questions Final Exam Questions

Please refer to

<https://arp.nmsu.edu/>

### Section 15

- 1) An employee makes a 10 cent long distance phone call. Locate the policy which addresses this situation. What should the employee do? What should the supervisor do? Is the policy reasonable?

**The policy that addresses this is 3.14 – Non-Work Related Use of University Resources. The employee should pay directly if they are using a University telephone for a non-work related long-distance phone call. If the “individual does not have other means to charge a long distance telephone call, the unit manager should be notified so that the call may be identified on the monthly bill for the employee to reimburse the university.” This policy is reasonable.**

- a. Now consider the cost of taking in 10 cents for a large organization. Create a proposed policy change that mitigates the costs of taking on small amounts of funds, and yet allows management to oversee the personal use. (for example, an employee is likely to take home a writing pen and the is just considered the cost of running an office).

**They could change the policy to have a buffer to account for some of these occasions. For example, they could say like 50 cents of long distance calls will be covered by the university, but anything over that must follow the regular policy.**

- 2) An employee of the registrar’s office who can update data is also taking courses from NMSU. What policy addresses this issue? What sort of issues are possible?  
**3.05 Faculty or Staff as Students addresses this issue. Students in this position could possibly update data or access data in a way that could benefit the student. This would be abuse of their role/position for benefits as a student which is unethical.**
- 3) A student computer is found to be blasting data on the network which registers on the Intrusion Detection System as a potential virus. What policies are in place to deal with this problem?  
**15.75 Network connection states that NMSU can forcibly and immediately remove that student’s computer from the network.**
- 4) Mike works in the Admissions office and Mary is a new student orientation advisor. Mary asks for a copy of the students coming to new student registration. Mary asks for the data to be on a thumb drive or better yet on a Google drive. What policy should guide Mike?  
**Policy 15.50 NMSU Institutional Data Security is the one that Mike should be guided by. It states where institutional data should be kept and how it should be accessed.**
- 5) A student, using university equipment, sends harassing email to others. What policy deals with this?  
**15.11 Acceptable Use of ICT Equipment and Resources handles this type of issue. “The university reserves the right to sanction a user for the misuse of university information and technology equipment and resources.”**

For the next questions, please consult the ACM or IEEE code of conduct:

- 6) Eric Snowden signed a document not to share data he saw at work. He stored the data and then shared it. Name at one code of conduct element which supports his action and one code of conduct element which he violated

**Eric violated 1.7 Honor confidentiality. If the data he shared reveals evidence of violation of the law, 1.7 Honor confidentiality can also support his actions.**

- 7) Give a short description of the "Morris Worm." You may need to google search to find out. List two code of conduct elements that were violated from this activity

**The Morris worm was one of the first computer worms to be distributed by the internet. It rapidly infected computers connected to the internet and depleted them of their resources. This activity violates 1.2 Avoid Harm and 2.8 Access computing and communication resources only when authorized or when compelled by the public good.**

- 8) As an employer, you find that your direct employee used his/her privileges to remove a post from a social networking site your organization maintains. The employee deleted the message because the message was derogatory towards you, the employer. You receive several complaints about the post being removed. Are there any code of conduct violations? If so, list two. If not, why?

**There are code of conduct violations. These actions violate: 3. to avoid real or perceived conflicts of interest whenever possible, and to disclose them to affected parties when they do exist; and 9. to avoid injuring others, their property, reputation, or employment by false or malicious actions, rumors or any other verbal or physical abuses;**

- 9) A few years ago, Sony was to publish a movie called "The Interview" which depicted a scenario about North Korea. Sony systems were hacked and the intrusion looked to come from North Korea. Shortly after this discovery, North Korean computer networks were offline for several hours. Suppose the outage was engineered by the United States as retaliation for North Korean actions. Do any of our code of conducts elements support the actions of the United States?

**No, it is unethical to retaliate in such a manner. In fact, the ending statement of the IEEE code of conduct states: "to support colleagues and co-workers in following this code of ethics, to strive to ensure the code is upheld, and to not retaliate against individuals reporting a violation"**

- 10) In working at a Nuclear power plant, you discover a bug in a computer program which has been releasing significant amounts of radioactive material to the environment. What should you do? Do any of our code of conduct elements give us guidance? How does our code deal with the situation about the previous programmer who made an honest mistake?

**You should notify your employer immediately. The main codes to follow are 1.2 Avoid harm and from the IEEE code of conduct: 1. to hold paramount the safety, health, and welfare of the public, to strive to comply with ethical design and sustainable development practices, to protect the privacy of others, and to disclose promptly factors that might endanger the public or the environment; It is your job to avoid any more harm that has been done. Since the previous programmer presumably had no malicious intent and it was an honest mistake, they did not intentionally violate any code of ethics. However, it should be their responsibility to help mitigate the damage they've done and help fix the issue.**

- 11) Name three things you learned from this class.

**The first thing I learned from this class is that a career in computer technologies has a lot of ethical issues that aren't obvious at first. The second thing I learned is that many times, ethical**

issues are not black and white, and it can be difficult to make a decision you deem as “right.” The third thing I learned from this course is that at the end of the day, as a computing professional, your priority should be the public good. A true follower of the code of ethics would pursue anything that is beneficial to the public good, even if it has consequences to your own career.