

Que 1:

A)

I will choose the social contract theory. Because the theory focuses on personal ethical issues based on rights rather than dutifulness.

- It provides a clear way to analyze issues regarding the relationship between people and government. If anyone conflicts with my chosen theory, I can argue with my rights.
- The Social Contract is the most fundamental source of all that is good and that which we depend upon to live well.
- The important factor of social contract theory is, justifies action outside of self-interest

B)

1. Kantianism

- If somebody does not have money, he should not evade the action and should save up to buy the CD as a replacement.
- Copying the CD by this logic is stealing intellectual property from the record label.

2. Social contract

- The marketing price maybe also in height. But some reasonable enough considering about the environment or country situation it may be possible.
- The manufacturer and the merchant/ vendor need to make revenue too as a substitute for selling at loss. It's all business. So as ethical and responsible consumers, we need to support them by buying it instead of copying.

3. Kantianism

- The fact, that wishes to possess that music denies the fact. A person would have to purchase the product to own it. By that logic, the fact that you want to own the songs on that CD gratifies you to purchase the content.

4. Utilitarianism

- In this case, loaning a music CD to a friend doesn't establish a good deed, since you are only helping your friend in getting what he/she wants, instead of what he needs.

5. Divine command Theory:

- Regardless of whether or not people are "pirating" music, at the end of the day, it is still stealing. And theft in any form is incorrect.

6. Utilitarianism

- This can be true. The internet has a large quantity of digital information significantly easier, but this does not make it correct. True fans would purchase the music, firstly because the benefits of purchasing the music far outweigh the cons.
- Some of those assistances include better quality of music and better system security. Some pirated music D's may come with viruses or malware which can mess with the system.

C)

- Morally, Meena's had determined turned into wrong.
- According to the scenario, Meena's actions are in the term of utilitarianism act.
- This is due to the initial rule state that each student alleged to their work.
- The movement of Ruwan makes a lazy student and probably make him oblivious of the thing, he may be getting to know if he tries and discover the solution by himself. It is considered cheating if Ruwan took the answer from someone else.
- The advantage of Meena's choice is that she reduces the time taken for John to answer the question due to the fact both manner he nevertheless going to discover the solution anyway
- However, Meena's decision of giving John the answer did result in making Ruwan a lazy person because Ruwan does not have to put the effort into finding the answer and Meena's did break the rule by giving him the answer.
- Thus, in terms of the utilitarianism act, the harm outweighs the benefit making Meena's action morally wrong

Que 2

A)

Similarities

1. Both media allows businesses to target a broad target audience through billboards, print advertising, television commercials.
Nowadays, the business is one of the main targets of using the web or traditional media platform. Such as newspapers and broadcast cable TV.
2. Broadcast messages.
This is one of the common similarities of web and traditional media like the telephone system, physical mail, bookstores, movie theatres, newspapers, broadcast and cable TV

Differences

1. Interactivity
The web allows for superior interactivity amid both users and the host. Audiences can give immediate feedback to reporters, news channels over their Facebook page, Twitter etc.
through comment feeds, social media interactions.
2. Scope and Reach

The web has the main difference in reaching people and societies. But newspapers or telephone systems, physical mail doesn't have a chance to spread their news or something that much.

Regulate the web

Internet regulation has become an ever more debatable topic as governments have sought to deal with matters arising from the growing centrality of the Internet and the perceived risks to children and other important sections of the public.

In a country, the web has to regulate somehow to provide appropriate content to its citizens. But this will be in an acceptable format. If a country ban internet, it will be a major problem to connect with the outside world to the citizens.

While users are subject to prevailing laws and regulations, such as laws in contradiction of consumer scam and product misrepresentation, many feel that laws written for a pre-Internet world fit poorly in the online environment, and are tough to enforce across nationwide restrictions.

Government should enforce non-discrimination as a matter of policy. Although the question is contested (for example, in the policy debates over network neutrality rules).

B)

- Jamming is unlawful and illegal. It also is unethical.
- Yes, loud cellphone users can be irritating. Yes, attention to courtesy has plummeted in our society, and people consider it their right to do what they want no matter how much they bother others.
- Potentially, jammers could prevent bus drivers or commuter train operators from communicating with dispatch about traffic or safety matters.
- The radio frequencies used by cellphone carriers are protected, just like those used by television and radio broadcasters.

Que 3

A)

1. Patents.

a patent is a kind of limited-duration shield that can be used to protect originations that are new, non-obvious, and valuable, such as a new process, machine, article of manufacture, or composition of matter.

When an asset's owner holds a patent, others are prevented, under law, from offering for sale, making, or using the product.

2. Trade secret

Trade secrets denote specific, private information that is important to creation because it gives them a competitive advantage in its marketplace in lifestyle. If a trade secret is acquired by an alternative company, it could damage the unique holder.

3. Copyrights

A copyright is a type of intellectual property protection that protects unique works of production, which might include legendary works, music, art, and more.

4. Trademarks

A trademark (also written trademark or trademark) is a type of intellectual property consisting of a recognizable sign, design, or expression which recognizes products or services of a specific source from those of others, although trademarks used to classify services are usually called service marks.

B)

- Company A resorts to “open source” software development.
- Two self-determining teams work on the project. The first team is responsible for determining how Company B's program works and produces a methodological specification.
- The second team relies merely on the technical specification to advance the software. Because the code developers are isolated from Company B's product, Company A can guarantee no code get copied, even involuntarily.
- The design of the software is sheltered by copyright unless it is open-sourced or is a very common interface.
- They would need to come up with their strategy and way of resolving the problem to have a result that was not copyrighted.

Que 4

A)

- Computer scientists and policy experts say that such innocuous bits of self-revelation can gradually be composed and reassembled by computers to help create a picture of a person's identity, sometimes down to the Civic Sanctuary number.

- “Technology has rendered the conventional definition of personally distinguishable information archaic,” said Maneesha Mithal, associate executive of the Federal Trade Commission’s privacy division. “You can find out who an individual is without it.”

B)

Pros

This will help to determine the past of an employee.

- The key factor in determining whether a worker is an employee are behavioural factors, financial factors,

We can assume how he will behave in a company

- problem employees. Difficult staffers. Workers who need behaviour modification and attitude adjustments.

Cons

If he got greater experience and knowledge, we can join the company. But the criminal crimes will restrict to it.

- intelligence analysis aids investigations by helping to target available resources and identifying information gaps to focus the investigation more clearly. It also helps to avoid duplication of effort and prevent straying into areas of no relevance.

Some criminal cases were more complex to determine to prove.

- In general, because criminal cases have greater consequences - the possibility of jail and even death - criminal cases have many more protections in place and are harder to prove.

C)

Black Box Testing is a software testing method in which the functionalities of software applications are tested without knowing the internal code structure, implementation details and internal paths.

- Black Box Testing mainly attentions on input and output of software applications and it is based on software necessities and conditions. It is also known as Interactive Testing.
- Many personalities associate black boxes with aeroplanes, but the truth is these apparatuses are no longer a key tool only for investigating aeroplane accidents.
- The event data recorder (or EDR), as the black box is legitimately acknowledged, is getting a lot of credit for the footage of car accidents as well.

According to the scenario, The defence presents four eyewitnesses to the accident, all of whom testify that the car could not have been going faster than the speed of 30 miles per hour.

Que 5

A)

It is wrong to give the user ID to another friend. It may be causing some further disturbances to the owner of the user ID.

- Password sharing can have a harmful influence on a student's college life opportunities.
- Sharing your user ID or password not only gives your friend the ability to view the results of the subject and it can be published publicly. So it will harm the owner of the results.
- When sharing a password, he has no way of guaranteeing that the person you told won't tell someone else.
- colleges are researching candidates' digital footprints. If most of your online footprint looks positive but you have random negative posts or something in the dashboard or wrongly message to another participant in the LMS, that can confuse colleges other students or it can be harm their minds also.

B)

Yes, I agree with the statement that virus gradually makes the immune system stronger.

Thus, the more is the virus attack, the more is the troubleshoot and more secure the system is.

- The virus attacks on a system occur if there are some flaws or loopholes in the system which runs on several lines of codes/scripts. The software engineers can't detect all the flaws while designing so, when the virus attacks, the software engineers get to know that what are the problems with the system design and modify the codes. They not only make the system free from the virus that has attacked but also secures the system with more features as they know more about the what were the problems with the system.
- If a security hole occurs on a system, for example for the Android operating system. The android development team will try to fix the error or bug in the next security patch level update. So in this scenario, a bug or error is strength the security of the operating system due to a small security hole.