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Q.No.

Soln: Social Network Analysis, despite being one of the most powerful tools online, has crucial flaws and problems such as missing data, incomplete data, user's trust, scalability issues, potential for misuse of collected data, spamming, privacy leak etc.

1. **Incomplete and missing data:** Many of the surveys conducted online in order to obtain information of a consent user are often incomplete, and in some cases, even inaccurate. Even if the surveys were complete and accurate, the scope for missing data increases with the complexity of network surveys.

2. **User's Trust or Privacy Issues:** The third party apps and surveys sites may not take adequate steps to protect user privacy. The users, oblivious of the security measures of the site to protect user's personal information, disclose too much personal information on the trust built over the past many weeks & months.

3. **Potential for misuse of Data:** On the surface, any site can look trustworthy and helpful; but masked behind the relative freedom afforded by social networking services has caused concern regarding the potential of its misuse by individual patrons.

4. **Privacy Leak and Risk for one's safety:** It is not unheard of the consequences of privacy leak that has huge negative impact on any person's mind. Online manipulation, ~~ba~~ cyber bullying, depression and anxiety are some of the major outcomes of privacy leak.

5. **Spamming and Trolling:** These two factors are the outcomes of misuse of data. The information collected through surveys or other medium are leaked or sold to other companies to publicise or advertise their brand over the social network; and a step further for online emotional abuse called trolling.

Q.20

Soln:- Social Network has its own strengths and flaws. What we saw during the massive covid outbreak was possibly the biggest use of social network as it helped in collecting data related to covid patients, which helped in locating covid prone zone and safe zone. These help in necessary help to reach the required zones. These help in analysing the weight of the situation ~~for~~ and providing quick and reliable aid. Covid is just an example of how pragmatic and vast of a role Social Network Analysis can play in epidemic situations.

If the flaws of Social Network Analysis like incomplete and missing data and spamming were to be resolved, these ~~would~~ could be turned into the strengths to provide accurate and complete information and aid related advertisement-driven awareness to those unaware of the situation or to those in need of help but don't know how to appeal.