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Daffodil International University

Faculty of Science & Information Technology

Department of Computer Science & Engineering

Midterm Examination, Summer 2026

Course Code: CSE326, Course Title: Social and Professional Issues in Computing

Level: 3 Term:2 Batch: 65

Time: 01:30 Hrs **Marks: 25**

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1.	A rural community recently gained access to smartphones and high-speed internet. Farmers now use mobile applications to check weather forecasts and market prices, while students attend online classes and access digital learning resources. However, some community members have become concerned about privacy risks and the increasing dependence on technology.		CO1
	Explain the positive and negative impacts of this technological change on the community. Discuss the social and ethical issues that may arise from the widespread use of digital technologies.	5	
2.	A government agency experiences a cyberattack that exposes the personal information of millions of citizens. Following the incident, the agency proposes expanding its surveillance systems to more effectively identify future threats.		CO3
	Evaluate whether increasing surveillance is an appropriate response to the data breach. Justify your answer by considering privacy risks, security benefits, and public trust.	5	
3.	A popular free mobile gaming app secretly collects users' contact lists and photos and sends them to third-party advertising companies to build marketing profiles. The app's 5,000-word "Terms of Use" mentions this, but most users never read it		CO1
	Evaluate this scenario using the principle of informed consent. Explain why this is an example of invisible information gathering and secondary use. According to Fair Information Principles, should the default setting for this data collection be opt-in or opt-out?	5	
4.	During a period of civil unrest, a government orders a private Common Carrier (like a telephone company) and a Social Media platform to immediately shut down their services to prevent protesters from coordinating activities		CO1
	Explain the traditional legal difference between Common Carriers and Publishers regarding control over content. Discuss the ethical and legal challenges of "shutting down communications" in a free society	5	

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5.	Mr. Foysal receives an urgent email from "SafeBank Support" claiming his account has been compromised due to suspicious activity. The email contains a link to a "Secure Verification Portal" that looks identical to his bank's official website. Believing it to be legitimate, he enters his login credentials and his National Identification Number (NID) to "reactivate" his account. By the end of the day, his savings are drained, and several unauthorized credit cards have been opened in his name.		CO3
	Drawing on your knowledge of computer crime, evaluate this scenario by defining how the methods of phishing and spoofing were applied to victimize Mr. Foysal.	5	

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