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Daffodil International University

Faculty of Science & Information Technology

Final Examination, Spring 2023

Course Code: CSE498, Course Title: Social and Professional Issues in Computing

Time: 2.0 Hrs. Level: 4 Term:2 Batch: 54 Marks: 40

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.	In 2023, a major cryptocurrency exchange, CryptoX, experienced a massive security breach resulting in the loss of millions of dollars worth of digital assets. The incident raised suspicions of a computer crime, as the attackers gained unauthorized access to the exchange's systems and stole the funds. However, further thinking is required to determine whether this was indeed a computer crime.			CO2
	a)	Why cryptocurrency is the crime in Bangladesh? Explain your opinion with the definition of Computer Crime.	5	
	b)	What steps can individuals and organizations take to prevent computer crime, and what are the legal and ethical implications of investigating and prosecuting computer crime?	5	
2.	Ethical behavior is crucial for maintaining trust in the technology industry. If computer professionals are perceived as untrustworthy, unethical, or lacking integrity, it can undermine public confidence in technology, hamper adoption rates, and hinder the progress and benefits that technology can bring.			CO3
	a)	In an era of rapidly advancing technology and ever-increasing data privacy concerns, what are some of the most pressing ethical challenges facing computing professionals today?	5	
	b)	How can computing professionals ensure that their work is aligned with ethical principles and values, and what frameworks or guidelines are available to support ethical decision-making in the field?	5	
3.	In 2004, the Dhaka Metropolitan Magistrate's Court ordered Sheba Prokashoni, a leading publishing house in Bangladesh, to stop publishing and distributing Masud Rana books. The court found that the publisher had been infringing on the copyright of Qazi Anwar Hussain by publishing and distributing unauthorized Masud Rana books. Sheba Prokashoni was also ordered to pay damages to the author.			CO4
	a)	To get the copyright of Kazi Anwar Hossain's book 'Masud Rana', what necessary documents had to be submitted to the copyright office.	5	
	b)	What are the major differences between Copyright and Patent?	5	
4.	Healthcare.gov was a website launched by the US government to help citizens purchase health insurance under the Affordable Care Act. However, the site experienced numerous technical problems and crashes, leading to widespread frustration and criticism. The case highlights the importance of proper project planning, stakeholder management, and risk management in large-scale software projects.			CO5
	a)	What type of pre-caution should be considered for opening a web-based health service company?	5	
	b)	Bangladesh is a good place to invest in software industry - What types of risk should be analyzed before investing in software company	5	