

# International Islamic University Chittagong

## Department of Computer Science and Engineering

B. Sc. in CSE Midterm Examination, Spring 2023

Course Code: CSE 4805

Course Title: Social, Professional and Ethical Issues in Computing

Total marks: 30 Time: 1 hour 30 minutes

[Answer all questions, figures in the right-hand margin indicate full marks.]

- |       |   |   | CO  | DL |
|-------|---|---|-----|----|
| 1. a) | a) What is computer ethics? How does a utilitarian approach to ethics differ from a deontological approach to ethics? What are the benefits or drawbacks of each view?  | 5 | CO1 | U  |
| b)    | b) What are the positive and negative rights? Can you think of examples of liberties (negative rights) and claim rights (positive rights) that are at opposition to each other? - Analyze your answer. Also, write down the differences between ethics and morality. Analyze the social impact of computers to today's world. | 5 | CO3 | An |
|       | OR  |   |     |    |
|       | Discuss the impact of online education during pandemic situation in Bangladesh.   | 5 | CO3 | An |
| 2. a) | "Big Brother is watching you". How has this expression become the symbol of massive surveillance? Discuss the different ways that Big Brother is watching you, possible ramifications, and ways that you can protect yourself.  | 5 | CO2 | Ap |
| b)    | "Caller ID" is the feature that displays the telephone number of the caller on the telephone of the person he or she calls. With Caller ID now routine and widely used, it might be surprising that when the service was first available, it was very controversial because of privacy implications.                          | 5 | CO2 | An |
|       | I. What aspect of privacy does Caller ID protect for the recipient of the call? What aspect of privacy does Caller ID violate for the caller?   |   |     |    |
|       | II. What are some good reasons why a nonbusiness, noncriminal caller might not want his or her number displayed?  |   |     |    |
| 3. a) | Briefly discuss the key points of ICT act of Bangladesh. Do you have any social responsibility to spread ICT act among general peoples? How do you perform those responsibilities?  | 5 | CO4 | Ap |
| b)    | What are the reasons for the implementation of The Pornography Control Act 2012 and what are the punishments under it?  | 5 | CO4 | R  |
|       | OR  |   |     |    |
|       | What is the importance to implement UNCITRAL model law? Give brief summary (e-commerce part) of UNCITRAL Model law.   | 5 | CO4 | R  |

**International Islamic University Chittagong**  
**Department of Computer Science and Engineering**  
*B. Sc. in CSE Midterm Examination, Autumn 2022*  
**Course Code: CSE 4805**  
**Course Title: Social, Professional, Ethical Issues in Computing**  
**Total marks: 30**  
**Time: 1 hour 30 minutes**

[Answer all the questions. Figures in the right-hand margin indicate full marks.]

Course Outcomes (COs) of the Questions	
CO1	Understand and identify different ethical philosophies, frameworks, and methodologies.
CO2	Analyze real world scenario to address ethical dilemmas with reasoned arguments, grounded in a combination of these ethical theories.
CO3	Identify and interpret the codes of professional conduct relating to the disciplines of computer science and software engineering such as ACM Code of Ethics.
CO4	Analyze the local and global impact of computing on individuals, organizations, and society.
CO5	Understand and interpret various legal framework related to computing.
CO6	Understand and apply the concepts and principles of moral thinking to problems relating to computing and digital technologies.

Bloom's Levels of the Questions						
Letter Symbols	R	U	Ap	An	E	C
Meaning	Remember	Understand	Apply	Analysis	Evaluate	Create

1. With the advent of technology, students now have access to a wide range of tools that make education more interactive, engaging, and effective. Students can now learn at their own pace, access information and resources from anywhere in the world, and connect with other students and teachers globally. Now answer the following questions:

- a) List down five such tools/software along with the purposes you are using to ease your day-to-day academic life. 2 CO1 R
- b) How each of these tools has been transformed/eased your academic life? 4 CO2 Ap
- c) Do you think relying on those tools could potentially have a negative impact on your academic skills in the future? Explain your opinion. 4 CO4 An

2.

In recent times, Instagram has changed its privacy policy, which creates a lot of buzz among people all over the world. Instagram's new cyber surveillance policies allow Mark Zuckerberg to spy on you and your family, steal your most intimate secrets, monitor your compliance with government mandates through all your devices - including your television - and sell your data to the government and industry. Now answer the following questions:

- |    |   |   |     |    |
|----|---|---|-----|----|
| a) | What does privacy mean? How is Instagram violating privacy? Discuss them according to the key aspects of privacy and analyze the potential consequences of such privacy breach. | 5 | CO6 | An |
| b) | What principles should need to be followed while collecting user data? Discuss how Instagram's new privacy policy lacks those principles.                                       | 5 | CO5 | An |

Or (a)

Describe any two methods that a business or agency can use to reduce the risk of unauthorized release of personal information by employees.

3.

A prominent public figure begins posting offensive and inflammatory messages aimed at a particular racial or ethnic group. Some users on the platform flag the posts as hate speech, and the platform administrators are faced with a dilemma: should they censor the posts and potentially violate the user's freedom of speech, or allow the offensive messages to remain up and risk causing harm to members of the targeted group? Now answer the following questions:

- |    |   |   |     |    |
|----|---|---|-----|----|
| a) | Define freedom of speech and offensive speech with a real-life example for each.  | 5 | CO2 | U  |
| b) | What steps should be taken to balance between the right of users to express themselves freely and the necessity of protecting users from offensive and hate speech? What ethical and legal considerations need to keep in mind to make this decision? | 5 | CO5 | An |

Or (a)

Briefly discuss the key points of the ICT act of Bangladesh. Do you have any social responsibility to spread ICT act among general people? How do you perform those responsibilities?



# International Islamic University Chittagong

Department of Computer Science and Engineering

B. Sc. in CSE, Mid Term Exam, Spring 2022

Course Code: CSE-4805

Course Title: Social, Professional, Ethical Issues in Computing

Time: 1 hour and 30 minutes

Full Marks: 30

(i) Answer all three (3) questions. The figures in the right-hand margin indicate full marks

(ii) Course Outcomes and Bloom's Levels are mentioned in additional Columns

Course Outcomes (COs) of the Questions	
CO1	Remember, identify, and apply different ethical philosophies, frameworks, and methodologies. The goal is for students to be able to address ethical dilemmas with reasoned arguments, grounded in a combination of these ethical theories.
CO2	Understand and identify and interpret the codes of professional conduct relating to the disciplines of computer science and software engineering such as ACM Code of Ethics. We will also learn how we can use these in our daily practice.
CO3	Apply the concepts and principles of moral thinking to problems relating to computing and digital technologies.
CO4	Analyze the local and global impact of computing on individuals, organizations, and society. Students will be able to discuss key concepts in a digital society including issues of copyright, privacy, personal freedom, computer crimes and new legal issues as well as advances in medicine, telecommunications and education.

Bloom's Levels of the Questions						
Letter Symbols	R	U	App	An	E	C
Meaning	Remember	Understand	Apply	Analyze	Evaluate	Create

1. a) What is computing? Discuss some professional issues in computing. CLO1 R 5
  - b) Write down the differences between ethics and morality. Analyze social impact of computers to today's world. CLO2 U 5
  2. a) What does the term personal information mean? Discuss how CCTV and other electronic devices hamper our privacy? What are the remedies? CLO4 An 5
  - b) A very large social network company analyzes all data it gathers through its service on its members' activities to develop statistical information for marketers and to plan new services. The information is very valuable. Should the company pay its members for its use of their information? CLO4 An 5
- OR (for 2b only, 2a must answer)
- b) Describe two methods a business or agency can use to reduce the risk of unauthorized release of personal information by employees. CLO4 An 5

- |                                  |    |  |      |     |   |
|----------------------------------|----|--|------|-----|---|
| 3.                               | a) | What is legality? Suppose, Mr. X is walking in the street. And he found some money dropped in the street, and keep it. Determine his action of behavior in case of legality and ethicality. Justify your answer based on that issue.             | CLO4 | An  | 5 |
|                                  | b) | Suppose, Mr. Y got a job opportunity and joined in the job. But, the job isn't permanent based on appointment. Then he got an offer from other corporate job with higher salary. So, Mr. Y left the current job and joined in the corporate job. | CLO3 | App | 5 |
|                                  |    | i. Determine the act of Mr. Y based on teleological theories. Briefly explain it.  |      |     |   |
|                                  |    | ii. Determine his action based on legality and ethicality.   |      |     |   |
|                                  |    | iii. What are the criticisms for this course of action by Mr. Y?   |      |     |   |
| OR (for 3b only, 3a must answer) |    |  |      |     |   |
|                                  | b) | Briefly discuss the key points of ICT act of Bangladesh. Do you have any social responsibility to spread ICT act among general peoples? How do you perform those responsibilities?   | CLO3 | App | 5 |

**International Islamic University Chittagong**  
**Department of Computer Science & Engineering**  
**B.Sc. in CSE Autumn-2021 Semester, Midterm Assessment**  
**Course Title: Social, Professional and Ethical Issues in Computing**  
**Course Code: CSE-4805, Full Marks: 21**  
**Time: 2 hours 30 minutes for exam + 30 minutes for submission**

***Instructions to the Candidate: Answer All Three Questions***

- |    |    |   |     |        |
|----|----|---|-----|--------|
|    |    |   | CO  | DL     |
| 1. | a) | Discuss the social, ethical and professional issues related to applications of computer in business. Identify some negative impact of computer in e-commerce sector in Bangladesh and suggest possible solutions.   | 4.0 | CO3 C3 |
|    | b) | A car company offers as an option a system that will detect a pedestrian in the path of the car, warn the driver, and brake the car if the driver does not respond. The option costs \$2000. If someone buys the car, does the person have an ethical obligation to buy the optional system to protect pedestrians? Discuss the impact of these options.  | 3.0 | CO4 C4 |
| 2. | a) | A company planned to sell a laser device a person can wear around his or her neck that makes photographs taken of the person come out streaked and useless. The company marketed it to celebrities hounded by photographers. Suppose the device works well against surveillance cameras commonly used in public places and in many businesses. Suppose many people begin to use the device routinely when outside their homes. Suppose law enforcement agencies propose making its use illegal. Give arguments for and against such a proposal. | 3.5 | CO3 C3 |
|    | b) | A very large social network company analyzes all data it gathers through its service on its members' activities to develop statistical information for marketers and to plan new services. The information is very valuable. Should the company pay its members for its use of their information? Discuss why or why not?   | 3.5 | CO3 C3 |

3. a) Read the ICT act of Bangladesh carefully and high light the points that must know as a general Face book or Internet user. Give some recommendations that you feel to include or exclude in future amendment. 3.5 CO3 C3
- b) Bangladesh had only one cybercrime tribunal, in Dhaka, until seven more were formed to cover all the divisions. Records show 33 cases were filed with the tribunal in 2014 and the annual number rose gradually to 1,189 in 2019. People filed 1,128 cases amid the pandemic in 2020, and 447 until March 2021. Statistics shows that the number of crime increases very fast. Now as a computer science engineer, provides a roadmap for Bangladesh government so that better services regarding settlement of cyber crimes can be provided to the citizens in future. 3.5 CO4 C4