

FINAL EXAMINATION

Semester		JANUARY 2026 SEMESTER
Programme Name	:	DIPLOMA IN COMPUTER SCIENCE
Course Code & Name	:	DCS2343 CYBER LAW
Duration	:	3 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Please read the instructions given in the question paper **CAREFULLY**.
2. The question paper consists of **FOUR (4)** questions.
3. Answer **ALL** questions in the question paper.
4. Answers to the questions are to be written into the examination booklet.
5. Electronic dictionaries, lecture notes, files or any unauthorised materials except writing equipment are strictly prohibited.

This question paper must be submitted along with all used and/or unused rough papers and/ or graph papers (if any). Candidates are **NOT ALLOWED** to take any examination paper(s) used or unused out of the examination hall.

WARNING:

The Examination Board of Peninsula College Georgetown regards cheating as a very serious offence and will not hesitate to mete out the appropriate punitive actions according to the severity of the offence committed, and in accordance with the clauses stipulated in the Students' Handbook, up to and including expulsion from Peninsula College Georgetown.

(This booklet contains 4 printed pages including this page)

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ALLOWED TO DO SO

Answer **ALL** questions on the separate sheet provided.

[100 marks]

1. a) Identify **FIVE (5)** distinct legal challenges arising from the rapid expansion of cyberspace. (10 marks)

- b) You are a judge who follows Utilitarian philosophy. A young IT officer, Ms. Amina, is on trial. She worked for a construction company that was secretly dumping toxic waste into a river, violating environmental laws.

When Ms. Amina discovered this, she reported it to her manager, who told her to ignore it. She reported it to the CEO, who threatened to fire her if she spoke out. Feeling that the public had a right to know about the polluted water, Ms. Amina leaked internal documents to the media.

As a result:

The Positive: The government shut down the company's illegal dumping. The river will be cleaned up, protecting the health of 50,000 villagers downstream.

The Negative: Ms. Amina broke the company's confidentiality contract. The company lost profits and had to lay off 200 workers who are now unemployed.

As a Utilitarian judge, apply the three principles of utilitarianism to decide if Ms. Amina should be punished for leaking the documents or she should be praised and released. (9 marks)

- c) Describe **THREE (3)** limitation of utilitarianism. (6 marks)
Total: [25 marks]

2. a) Intellectual property is often divided into four main categories.

i) List any **THREE (3)** categories of intellectual property. (3 marks)

ii) For each category in **Q2(a)(i)**, describe the type of work it protects. (6 marks)

iii) Explain **TWO (2)** reason why intellectual property rights are important in the digital economy. (4 marks)

- b) Identify any **SIX (6)** types of works that are eligible for copyright protection. (6 marks)

2. c) *Amin imports 50 copies of a popular novel from abroad without the copyright owner's permission. He then sells 20 copies to customers at his shop, distributes 15 copies for free to promote his business and displays the remaining 15 copies in a glass case at a public exhibition to attract attention to his stall.*

Based on the statement above, determine whether Amin has committed copyright infringement by referencing to the relevant subsection. (6 marks)

Total: [25 marks]

3. a) CreativeWorks Studio is at a decision point regarding its software management. The company has identified three potential courses of action:

Option A: Continue using unlicensed (pirated) software, saving an immediate \$40,000.

Option B: Purchase legitimate licenses for all software gradually over the next two years.

Option C: Switch entirely to open-source alternatives, which are free to use but may have fewer features and require staff retraining.

As a consultant for CreativeWorks Studio, evaluate these three software management risk options and present a recommendation on the most suitable path forward for the company. (8 marks)

- b) Define the following terms and **ONE (1)** example of each.

- i) Trespass (3 marks)
- ii) Hacktivism (3 marks)
- iii) Unauthorized access. (3 marks)

- c) TechMaster Sdn Bhd sells computers to students. To make their computers more attractive, they pre-install unlicensed copies of Adobe Photoshop and Final Cut Pro on every computer they sell.

- i) Determine the type of software piracy (2 marks)
- ii) Explain **THREE (3)** implications of this activity. (6 marks)

Total: [25 marks]

4. a) Elaborate the concept of confidentiality. (3 marks)

- b) Explain the basis of authority for each of the following to impose censorship

- i) Parental (2 marks)
- ii) Employer (2 marks)

4. b) iii) Government (2 marks)
- iv) International (2 marks)
- c) Discuss **THREE (3)** factors that contribute to computer systems errors and failures during the design and development phase. (6 marks)
- d) A company's server is running slowly due to high traffic and insufficient resources. Determine **FOUR (4)** strategies the IT team can implement to enhance performance and avoid future overloads. (8 marks)
- Total: [25 marks]

- END OF QUESTIONS -