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**UNIVERSITI TUN HUSSEIN ONN
MALAYSIA**

**FINAL EXAMINATION
SEMESTER I
SESSION 2021/2022**

COURSE NAME : COMPUTER ETHICS AND SOCIAL
COURSE CODE : BIT 21002
PROGRAMME CODE : BIT
EXAMINATION DATE : JANUARY/ FEBRUARY 2022
DURATION : 2 HOURS
INSTRUCTION : 1. ANSWERS ALL QUESTIONS.

2. THIS FINAL EXAMINATION IS
CONDUCTED ONLINE AND CLOSE
BOOK.

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

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Q1 Questions Q1(a) and Q1(b) are based on Figure Q1.

Anne is an accountant at ABC Corporation, a firm with 100 employees. All of the employees work in the same building, and Anne knows all of them on a first name basis. Anne loves to bake cookies and sell cookies during her spare time. Anne sent an email to all employees, inviting them to place orders. (There is no company rule prohibiting the use of the email system for personal emails.) Ten percent of the recipients were happy to get Anne's email, but the other recipients did not appreciate having to take the time to read and delete an unwanted message.

Figure Q1

- (a) Is Anne's email considered a spam? Explain your answer. (4 marks)
- (b) Did Anne do anything wrong? Discuss your answer from the following perspectives:
- (i) Social Contract Theory (4 marks)
 - (ii) Kantian Analysis (4 marks)
- (c) Suggest **ONE (1)** technique that the employees can do to stop receiving spam emails. (2 marks)
- Q2** (a) Describe the term intellectual property. (2 marks)
- (b) Explain **THREE (3)** types of protection in intellectual property and give an example for each type. (12 marks)

Q3 Questions Q3(a) and Q3(b) are based on **Figure Q3**.

Andrew, a system administrator for a large corporation, is installing a new software package on the PC used by employee Dennis. The company has not authorized Andrew to read other people's emails, Web logs, or personal files. However, in the course of installing the software, he accidentally comes across directories containing files with suspicious-looking names. He opens a few of the files and discovers they contain child pornography. Andrew believes possessing such images is against federal law.

Figure Q3

- (a) Did Andrew do anything wrong? Justify your answer by using **TWO (2)** most relevant principles. (6 marks)
- (b) Explain **TWO (2)** clauses to solve the issues. (8 marks)

Q4 Questions Q4(a) and Q4(b) are based on **Figure Q4**.

Apple and Samsung have finally put an end to their long running patent battle whose central question was whether Samsung copied the iPhone. A US court has ordered South Korea's Samsung Electronics to pay \$539m (£403m) in damages for copying features of Apple's original iPhone. The court added that the ruling should serve as a warning to smaller players to be more careful of overstepping patents, especially in markets like the US.
(Source: BBC News, 2018)

Figure Q4

- (a) Discuss **THREE (3)** reasons, why Apple and Samsung as smartphone manufacturers need to patent their products? (6 marks)
- (b) Explain **TWO (2)** examples of patent that can be granted when designing a smartphone. (8 marks)



- Q5** (a) How has the Digital Millennium Copyright Act affected fair use of copyrighted materials?
(2 marks)
- (b) Suggest **THREE (3)** different technologies that have been used or proposed for digital rights management.
(6 marks)
- (c) Suppose your music band has recorded a song and posted it as an MP3 file on your Web site.
Suggest **TWO (2)** ways you can allow people to download your music for noncommercial purposes while retaining your copyright on the song.
(6 marks)

- END OF QUESTION -

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