



**UTHM**  
Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2023/2024**

- COURSE NAME : PROFESSIONAL ETHIC & OCCUPATIONAL SAFETY
- COURSE CODE : BIC 21102
- PROGRAMME CODE : BIP
- EXAMINATION DATE : JULY 2024
- DURATION : 2 HOURS
- INSTRUCTIONS :
1. ANSWER ALL QUESTIONS
  2. THIS FINAL EXAMINATION IS CONDUCTED VIA
    - Open book
    - Closed book
  3. STUDENTS ARE **PROHIBITED** TO CONSULT THEIR OWN MATERIAL OR ANY EXTERNAL RESOURCES DURING THE EXAMINATION CONDUCTED VIA CLOSED BOOK

THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

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**PART A**

Instruction: Choose the best answer.

**Q1** What are the tips to protect yourself against identity theft?

- (a) Choose the right tools on your computer.
- (b) Properly educate yourself about cyber security.
- (c) Selecting the right antivirus is important, not only because you need it, but also because it is an essential part of your protection.
- (d) All the above.

(1 mark)

**Q2** What is the best statement to describe the falsification of message?

- (a) Use a target that will not be authenticated.
- (b) Guess the identity and authentication details of the target.
- (c) Pretend to be someone (personnel) or something (process).
- (d) Change the content of a message.

(1 mark)

**Q3** What is the meaning of the virus attaching itself to memory resident code?

- (a) Virus gains control very early in the boot process before most detection tools are active.
- (b) Virus is activated many times while the machine is running.
- (c) Virus embeds itself in data files.
- (d) None of the above.

(1 mark)

**Q4** Hidden as legitimate software. Users install them without realizing they have a hidden purpose.

The statement above refers to \_\_\_\_\_.

- (a) trojan horse
- (b) worm
- (c) virus
- (d) trapdoor

(1 mark)

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**Q5** Result of any action or series of actions that prevents any part of a telecommunications system from functioning.

The statement above refers to \_\_\_\_\_.

- (a) exposure
- (b) impersonation
- (c) message integrity violation
- (d) denial of service

(1 mark)

**Q6** Which of the following would be able to obtain the location data on your smartphone?

- (a) The company that makes the application that you use to check in (e.g.: Facebook & Foursquare).
- (b) The manufacturer that makes your phone (e.g.: Apple & Samsung).
- (c) The telco company (e.g.: Celcom & Maxis).
- (d) All the above.

(1 mark)

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## PART B

Instruction: Answer all questions.

**Q7** Answer the following questions based on **Figure Q7.1**.

**3 Years On, Residents Still fear pollution at Sungai Kim Kim**

Nicholas Chung - 07 Mar 2022, 10:30am - FMT

JOHOR BAHRU: It has been three years since a major pollution incident at Sungai Kim Kim left more than 2,700 people in hospital, but several residents in the Pasir Gudang area continue to live in fear of another occurrence. On March 7, 2019, the nation was shocked when many schoolchildren and canteen operators collapsed after exhibiting dizziness, nausea and vomiting. A total of 2,775 people, mostly schoolchildren, were taken to hospital, and 110 schools near the river were forced to close. A total of 1,500 tonnes of river water was needed to clear the 900 tonnes of toxic sludge from the area.

Ahmad Ali, 58, remembered how he and his wife were awakened in the wee hours of the morning to a strong odour. The couple came out of their house at Kampung Bukit Pulai covering their noses, and so did their neighbours. Feeling nauseated and concerned, some of the villagers went to lodge a police report while it was still dark, he told FMT. It was only when dawn broke that they saw the river had turned black. "Many had difficulty breathing that morning. We came out of our houses asking each other, 'Do you smell that?' It was only in the morning that we found the smell was coming from the river," he said, describing the water at the time as oily and black.

Ahmad said it still turns dark in colour from time to time, especially when it rained, claiming that this came from sewage plants upstream. But he and his fellow villagers are now quick to whip out their phones and record videos of the river whenever any semblance of pollution occurs and report it to the authorities. Ahmad said the trauma was felt by all villagers there but acknowledged that there was some improvement and that the state government had taken the initiative to clean up the river. "But the trauma is still there. We can't run away from that fear," he said.

**Figure Q7.1**

- (a) Describe **TWO (2)** methods how chemical hazard can harm human body system. (4 marks)
- (b) Between acute and chronic effects, which of these terms most appropriately described the effect felt by Ahmad Ali? Provide **TWO (2)** justifications. (5 marks)
- (c) Can trauma be considered a hazard? Provide **TWO (2)** justifications. (5 marks)

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- (d) Suggest **TWO (2)** examples of the general duties of employees and **TWO (2)** examples of the general duties of employers that are relevant to this incident.

(8 marks)

**Q8 Account security mistake: Using the same password for everything.**

Reusing the same password on multiple accounts is one of the worst things you can do to your online security. It's like using the same key to lock your home, car, and deposit box - even after someone stole the key and could have made a copy.

- (a) Suggest **FOUR (4)** methods to overcome these account security mistake.

(8 marks)

- (b) Explain **THREE (3)** possible consequences if the users still practising these account security mistake.

(6 marks)

**Q9** Internet addiction in children is a growing concern, as kids and teens spend an average of 44.5 hours per week on digital screens. About 23% of them feel addicted to video games, with males being more affected than females. A government survey found that 1.2% of children and 3.5% of teenagers are at high risk of smartphone and internet addiction, which can have devastating effects on their mental and physical health.

- (a) Discuss **THREE (3)** ideas, how Internet addiction can affect on mental and physical health among children.

(6 marks)

- (b) Propose **FOUR (4)** steps should be taken by parents to avoid internet addiction among children.

(8 marks)

**- END OF QUESTIONS -**

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