



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(ONLINE)
SEMESTER II
SESSION 2019/2020**

COURSE NAME : PROFESSIONAL ETHICS AND OCCUPATIONAL SAFETY
COURSE CODE : BIC 21102
PROGRAMME CODE : BIS/ BIP/ BIW/ BIM
EXAMINATION DATE : JULY 2020
DURATION : 2 HOURS
INSTRUCTION : 1. ANSWER ALL QUESTIONS
2. PLEASE MAKE SURE TO CLICK "SAVE ANSWER" BUTTON FOR SUBJECTIVE QUESTIONS. OBJECTIVE QUESTIONS ARE SAVED AUTOMATICALLY.

THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES



- Q1** (a) Define each of the following malware and give a real-world example to show the severity of its threat.
- (i) Virus (3 marks)
 - (ii) Worm (3 marks)
 - (iii) Trojan Horse (3 marks)
- (b) Explain **TWO (2)** ways to ensure that all the data stored in the database of Jabatan Pendaftaran Negara (JPN) are free from errors. (4 marks)

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Q2 Answer the following questions based on **Figure Q2**.

2019 Kim Kim River Toxic Pollution

The 2019 Kim Kim River toxic pollution is a water pollution incident that occurred on 7 March 2019 caused by illegal chemical waste dumping at the Kim Kim River in Pasir Gudang of Johor in Malaysia. The illegal dumping released toxic fumes, affecting 6,000 people and hospitalising 2,775. Most of the victims were school students - 110 schools located near the river were subsequently closed.

The incident started on 7 March 2019 after several students and canteen workers from two schools near the river began to fall ill and complaining of breathing difficulties. Both schools were ordered to shut down and all the victims were sent to Sultan Ismail Hospital while investigations being carried out by state health authorities over the cause. Twenty-one people are warded at the hospital with some being admitted into the emergency unit and intensive care unit (ICU). Some of the students brought at the hospital were already fainted and with symptoms such as vomiting while those who were not seriously affected were given outpatient treatment and allowed to return home. While recovering, some of the seriously affected victims shared their experiences of suddenly being ill after inhaling unpleasant odour in their school compound environment. The number of victims hospitalised over the toxic fumes rose to 76 by the following day and on 9 March, five police reports have been made on the issue with police began to investigating the case.

Through investigation, a lorry tanker is believed to have dumped chemical waste into Kim Kim River in early morning before the victims fallen ill. Agencies dispatched for the cleaning-up operation of the polluted river collected 2.43 tonnes of chemical waste on the day the incident was reported. The cleaning works however worsens the chemical reaction as the contractor engaged was not experienced in dealing with chemical waste. A Chemical, biological, radiological and nuclear (CBRN) team from the 12th Squadron of the Royal Army Engineers Regiment of Malaysian Armed Forces were later dispatched to assist in the chemical cleaning efforts together with Hazmat team.

Source: compilation of news from NST, BERNAMA, the Star & Business Insider Malaysia

Figure Q2

- (a) Describe **THREE (3)** methods river toxic pollutions can harm human body system. (6 marks)
- (b) Discuss **FIVE (5)** factors that lead to health hazards to the victims. (10 marks)
- (c) Suggest **FOUR (4)** suitable action plans to be implemented by the authorities, to prevent toxic pollution.

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(8 marks)

Q3 (a) "Apple and Samsung have finally put an end to their long-running patent battle whose central question was whether Samsung copied the iPhone. In a court filing today, Judge Lucy Koh said the two companies had informed her that they had reached a settlement. Terms of the settlement were not disclosed."

(i) Discuss **TWO (2)** reasons, why Apple and Samsung as smartphone manufacturers need to patent their products.

(4 marks)

(ii) Explain **TWO (2)** examples of patent that can be granted when designing a smartphone.

(4 marks)

(iii) Suggest **THREE (3)** lessons that can be learnt from Apple vs Samsung patent cases.

(6 marks)

(b) "Whoever use any copyrighted works without consent or authorization from the author, copyright owner and performer, it may constitute an infringement under Copyright Act 1987."

(i) Discuss **FOUR (4)** activities that can be considered as the infringement.

(4 marks)

(ii) Explain the duration of copyright granted for film, sound recordings and performer.

(3 marks)

(c) "A British manufacturer of biscuits has been selling cookies in Malaysia for more than 20 years, and has had a registered trade mark 'ChipsMore' for these goods during that time. Two years ago a Malaysian company started manufacturing and selling cookies under the brand 'ChipsPlus' "

Suggest and explain suitable action to be taken by the British manufacturer in order for them to protect their product.

(5 marks)

Q4 SEBENARNYA.MY portal, developed by the Malaysian Communications and Multimedia Commission (MCMC) is a one stop center for Malaysians to check on the authenticity of news content received online through social media platforms, instant messaging services, blogs, websites, and others before sharing. This portal is expected to curb the spread of false news online which can affect the people and country.

Source: malaysia.gov.my

- (a) Discuss **TWO (2)** immediate actions you can do when encountering a fake news story
(4 marks)
- (b) Describe **FOUR (4)** tips to identify a fake news story.
(8 marks)
- (c) Explain **FOUR (4)** consequences of a fake news story.
(8 marks)
- (d) Give **TWO (2)** suggestions to counter the spread of fake news using Information Technology.
(2 marks)

- END OF QUESTIONS -