UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2017/2018

COURSE NAME	:	SPECIAL TOPICS IN MULTIMEDIA COMPUTING
COURSE CODE	:	BIM 33603
PROGRAMME CODE	:	BIM
EXAMINATION DATE	:	JUNE / JULY 2018
DURATION	:	3 HOURS
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

TERBUKA

THIS QUESTION PAPER CONSISTS OF **FIVE (5)** PAGES

Q1   (a)   Describe **FOUR (4)** elements of multimedia computing.

(8 marks)

(b)   Illustrate the Perception Diagram

(6 marks)

(c)   Define the term 'privacy'.

(2 marks)

(d)   Describe **TWO (2)** functions of privacy.

(4 marks)

(e)   Justify whether privacy is a negative right or a positive right and give **ONE (1)** example of your justification.

(4 marks)

Q2   Question Q2(a) - Q2(b) are based on the given scenario:

> A fraudster (Ahan Long) hacked a (Jamaluddin) Facebook profile, then message one of the user's friends with something along the lines of:
>
> "Help! I'm traveling outside the country right now, but my bag was stolen, along with all my cash, my phone and my passport. I'm stranded somewhere in Bangkok. Please, please wire me RM600 so I can get home!"
>
> Family members, understandably not wanting to leave their loved ones stranded abroad, have obliged, unwittingly wiring the money to a con artist.

(a)   Discuss **FOUR (4)** security issues related to the Case 1 above with appropriate example for each of the issues.

(8 marks)

(b)   Suggest **FIVE (5) appropriate and effective steps** which we can take to help **Jamaluddin** to prevent this form of fraud.

(10 marks)

Q3   Question Q3(a) – Q3(b) are based on the given scenario.

> Julie was an outgoing 11-year-old with a lot of friends at school. At sleepovers, she and her pals would take pictures of each other dancing, doing each other's hair and makeup and generally other silly, but fun things, including one in front of Julie's house.
>
> One of her friends shared some of the party photos with another student, who was not invited to the party. That student created a fake social media page with pictures of Julie and her house and sent the link to some other kids at school who weren't at the party either. On the fake page, some kids posted mean statements about Julie and encouraged other students to prank her at home. By the next weekend, Julie and her family found trash dumped in their yard, toilet paper strewn through their trees and eggs thrown at their front door.
>
> Julie found out about the fake social media page and told her parents who reached out to other school parents, alerted school authorities and notified the social media site that the page was a fake. Eventually, the pranks stopped and the page was taken down.

(a)   Discuss **TWO (2)** privacy and **TWO (2)** security issues related to the scenario.

(8 marks)

(b)   Discuss **TWO (2)** privacy precaution steps.

(4 marks)

3

(c)   Discuss **TWO (2)** security precaution steps.

(4 marks)

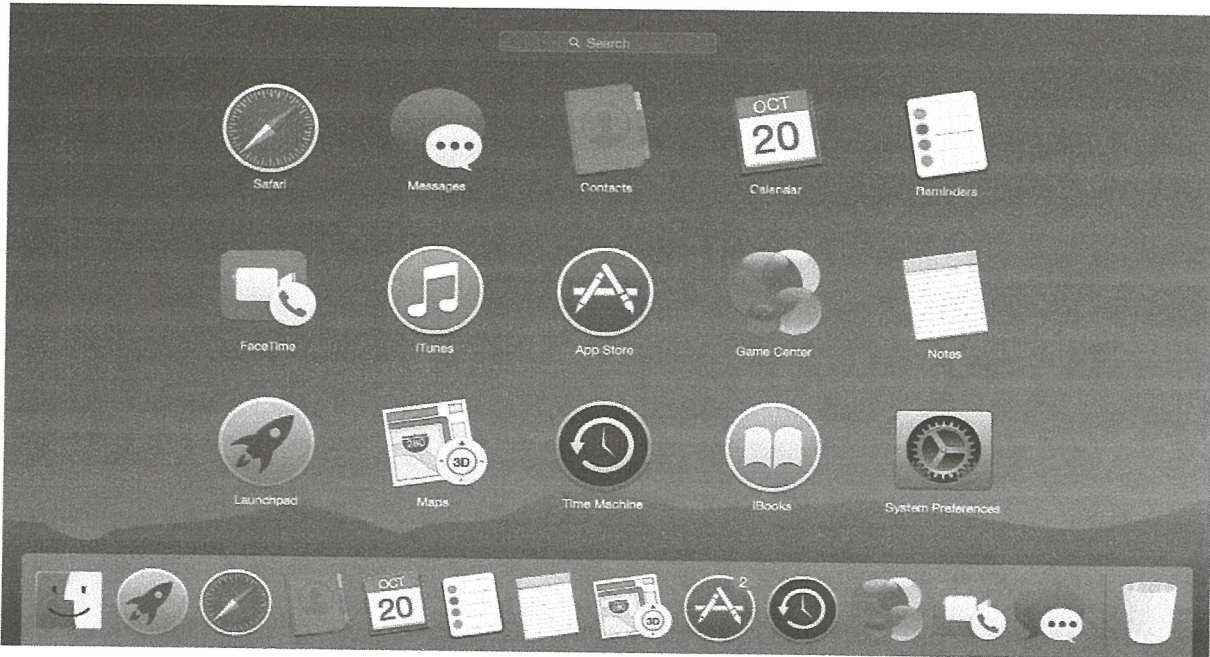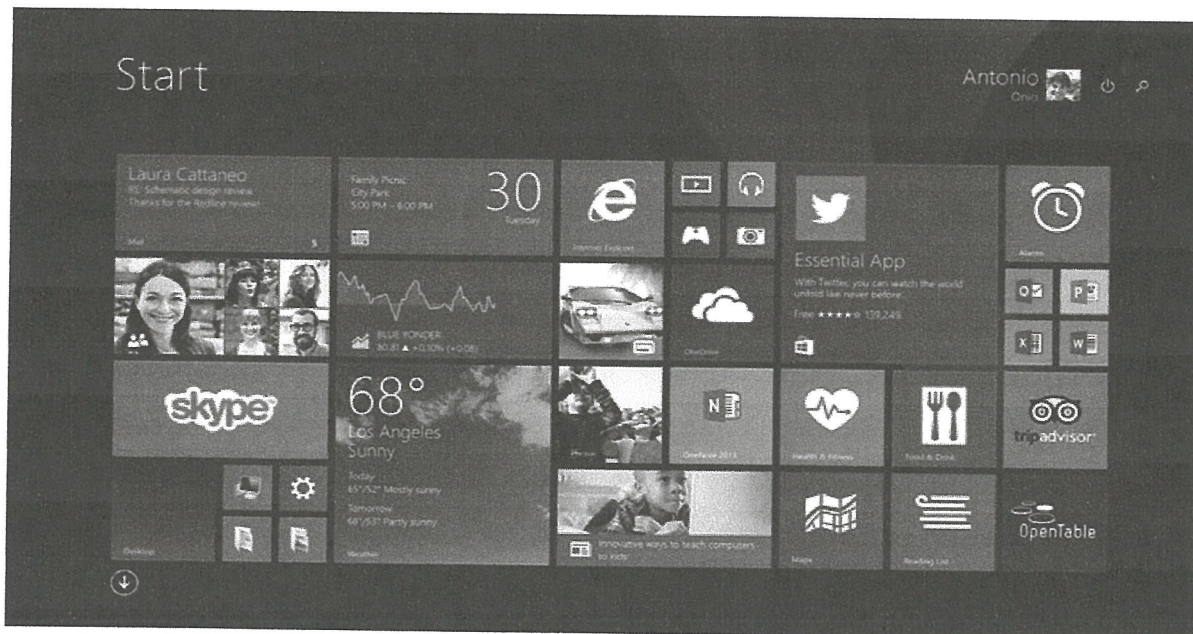**Q4**   Question **Q4(a) – Q4(b)** are based on **Figure Q4(a)(i) and Q4(a)(ii):**

Figure Q4(a)(i)

Figure Q4 (a)(ii)

4

(a)   Justify **FOUR (4)** main differences GUI between **Figure 4 (a)(i)** and **Figure 4 (a)(ii)** using GUI rules.

(16 marks)

(b)   Discuss **TWO (2)** concrete philosophy to foster the learning process of the user based on the **Figure 4 (a)(i)** and **Figure 4 (a)(ii).**

(6 marks)

-END OF QUESTION-