UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2016/2017

COURSE NAME	:	SPECIAL TOPICS IN MULTIMEDIA COMPUTING
COURSE CODE	:	BIM 33603
PROGRAMME CODE	:	BIM
EXAMINATION DATE	:	JUNE 2017
DURATION	:	2 HOURS AND 30 MINUTES
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

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

Q1   (a)   Describe **THREE (3)** characteristics of experiential environment in multimedia computing.

(6 marks)

(b)   Experience and information is the first element from eight elements in multimedia computing. Explain **FOUR (4)** criteria of an experience in that element.

(8 marks)

(c)   Consider the following information:

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Perceptual Cycle is an element number six from eight elements
in multimedia computing. According to this element, a perceiver
builds a model of the world by acquiring specific signals and
information to accomplish a task in a natural environment.
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(i)   Illustrate the Perceptual Cycle Diagram

(6 marks)

(ii)   Distinguish between perception and perceptual cycle.

(4 marks)

Q2   (a)   Question **Q2(a)(i) - Q2(a)(ii)** are based on **Figure Q2**:
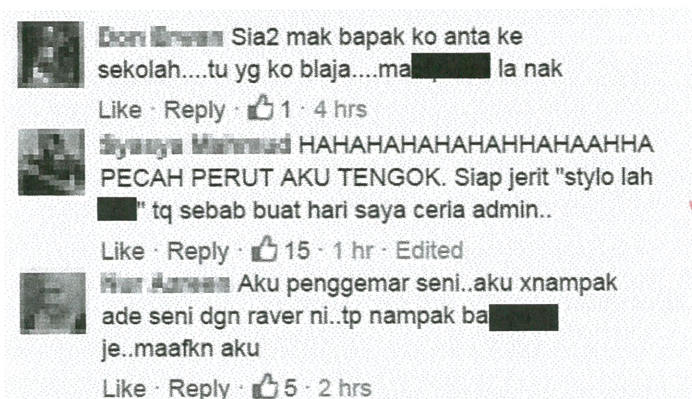

Figure Q2

(i)   Online forum and social network services is a place where users with common interests can exchange open messages in the virtual world. In **Figure Q2**, there is an example of negative comment and is not follow the communication ethicate in social network. Give **THREE (3)** reason why we need to behaving politely?

(6 marks)

(ii)   Apart from must behaving politely, suggest **FIVE (5)** appropriate way when communicating online and virtually.

(10 marks)

(b)   Consider the following information:

Instagram has purged millions of fake and inactive accounts, resulting in massive drops in follower numbers for celebrities, companies, brands and regular people. Justin Bieber was the biggest loser, with more than 3.5 million followers reportedly removed, according to this chart of affected accounts. The change drops Justin from the No. 1 most followed celebrity on Instagram to No. 2. Kim Kardashian, who lost 1 million followers herself, now takes top place. It's just the latest in their back-and-forth battle over social-media superiority.

(i)   Online Social Network especially Facebook and Instagram lately being hack by hackers. There are many Facebook and Instagram account with the same name but it is a fake account. Discuss **FOUR (4)** security issues related to the Social Network with appropriate example for each of the issues.

(8 marks)

Q3   (a)   Consider the following information:

Multimedia documents are composed of different data types such as video, audio, text, and images. Authoring a multimedia document is a creative exercise. Unlike traditional computer supported collaborative work where documents are composed of static objects, multimedia documents have temporal and spatial requirements that must be supported by any collaborative multimedia platform.

(i)   Discuss the temporal and spatial requirements according to the statement above.

(4 marks)

(ii)   Illustrate Spatial Layout that showing three different windows.

(6 marks)

(iii)   Illustrate Temporal Layout together with the timeline.

(6 marks)

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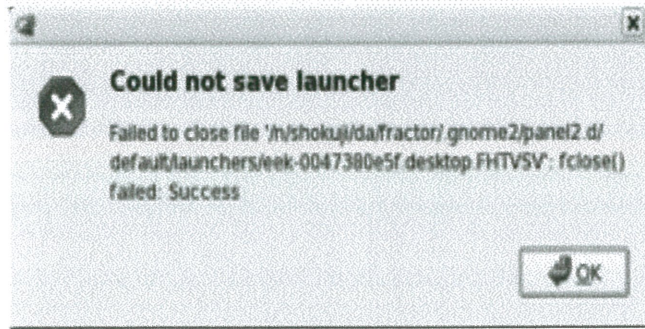**Q4**   Question **Q4(a)** are based on **Figure Q4**:

Figure Q4

(a)   Pop-up box in the **Figure Q4** is wrong according to one of the GUI rules because it make the user confuse. Illustrate a new pop-up box with a clear meaning according to the original message.

(4 marks)

(b)   *'Foster the learning process of the user'* also is of the rule of GUI.

(i)   Explain **TWO (2)** criteria how to follow that rule?

(4 marks)

(ii)   Give **TWO (2)** example based on answer in **Q4 (b)(i)**

(4 marks)

(c)   Explain what responsiveness is.

(4 marks)

-END OF QUESTIONS-

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