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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2018/2019**

**COURSE NAME : SPECIAL TOPICS IN MULTIMEDIA
COMPUTING**

COURSE CODE : BIM 33603

PROGRAMME CODE : BIM

EXAMINATION DATE : DECEMBER 2018 / JANUARY 2019

DURATION : 3 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF FOUR (4) PAGES

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- Q1** (a) Illustrate the Experiential Computing Diagram. (8 marks)
- (b) Describe **FOUR (4)** elements in the Experiential Computing Diagram as illustrated in **Q1(a)**. (8 marks)
- (c) Distinguish between perception and perceptual cycle. (4 marks)

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

A foreigner medical student is on an immersion trip to the Langkawi during the semester break after her first year. She wishes to document her experience with the patients she encounters by photographing them in the clinical setting. She speaks fluent Bahasa Malaysia and asks for verbal consent from a patient to take her picture before doing so. She does not tell the patient what she plans to do with it. She uploads the photo to her Facebook account, describing the patient's clinical issues.

- (a) Identify **THREE (3)** ethical issues in the scenario. (3 marks)
- (b) Explain whether the patient have the right to know the intended use of their photos and whether it is public or relatively private with appropriate evidence. (4 marks)
- (c) Identify **TWO (2)** specific ethical issues involve in **Q2(b)** with appropriate evidence. (3 marks)

Q3 Question Q3(a) – Q3(c) are based on the given scenario:

A young pediatrician has recently finished his training and is now a newly minted attending physician. He is building his practice and has active accounts with Facebook and LinkedIn. A mother of one of his patients has recently sent a request to be his "friend" on Facebook. He declines this friend request, believing that this may impair his clinical judgment. He wonders, however, if it would be appropriate to connect with this patient's mother through LinkedIn, since it is a site for professional networking as opposed to personal friendships.

- (a) Identify **TWO (2)** ethical issues in the scenario. (2 marks)
- (b) Explain whether the pediatrician with an active Facebook and LinkedIn accounts has the right to be online friends with a patient's mother with appropriate evidence. (4 marks)
- (d) Identify **TWO (2)** specific ethical issues involve in **Q3(b)** with appropriate evidence. (3 marks)

Q4 Question Q4(a) – Q4(c) are based on the given scenario:

Many Online Social Networks (OSNs) prohibit users from removing shared content, or they provide the facility with some obstacles (time frames, i.e. a photo will not be immediately removed, i.e. users have to pay to remove content, etc.).

- (a) Write your prediction on the **THREE (3)** possible attacks which might occurred based on the above scenario. (6 marks)
- (b) Discuss **TWO (2)** possible countermeasures on OSNs attacks. (4 marks)

Q5 Question Q4(a) – Q4(b) are based on the given statement:

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.

- (a) Discuss the temporal and spatial requirements according to the statement above. (4 marks)
- (b) Illustrate Spatial Layout that shows three different windows. (6 marks)

-END OF QUESTION-

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