UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2011/2012

COURSE NAME	:	INTRODUCTION TO MULTIMEDIA
COURSE CODE	:	BIT 1043/BIT 10403
PROGRAMME	:	BACHELOR OF INFORMATION TECHNOLOGY
EXAMINATION DATE	:	JUNE 2012
DURATION	:	3 HOURS
INSTRUCTION	:	ANSWER **ALL** QUESTIONS.

THIS QUESTIONS PAPER CONSISTS OF FOUR (4) PAGES

PART A

Instruction: State whether each of the following statements is **TRUE** or **FALSE**.

Q1 Rasterization occurs when the computers draws the font onto display of several pixel at a time.

Q2 Indexed retrieval is a type of hypertext.

Q3 Raster image also known as vector image.

Q4 TIFF graphic format is suitable to be used in publishing and fax applications.

Q5 In selecting suitable background color for a Multimedia application, color flashing should be avoided to prevent conflict with other media.

Q6 MIDI files needs more storage than the other captured audio.

Q7 Analog wave form also referred as composite video.

Q8 Animation can be stored in a data file for playback in a viewer application.

Q9 SECAM is an analog video signal format mostly used in United States and Japan.

Q10 Underlined usually used in for highlighting a text.

(10 marks)

PART B

Instruction: Answer **ALL** questions.

Q11 Given the following **Figure Q11**:

Figure Q11

(a) Discuss **TWO (2)** effects of applying the type of font as in **Figure Q11**.

(6 marks)

(b) Discuss how to prevent text fonts from appearing as jagged in **Figure Q11**.

(6 marks)

(c) Suggest **THREE (3)** guidelines for using text in **Figure Q11**.

(6 marks)

(d) Design a new storyboard for **Figure Q11** by adding **FOUR (4)** suitable navigational elements to improve the interactivity.

(8 marks)

(e) Explain about the navigational elements which you have proposed in **Q11 (d)**.

(4 marks)

Q12 (a) Explain **THREE (3)** important characteristics needed in sound recording.

(6 marks)

(b) Illustrate a diagram to show about the sound characteristics given in **Q12 (a)**.

(6 marks)

(c) Using an appropriate diagram, illustrate how to differentiate the characteristics of a digital video.

(6 marks)

PART C

Instruction: Answer **ALL** questions.

Q13 Based on the following **Figure Q13**:

Figure Q13

Analyze **FOUR (4)** techniques in which you may apply in Adobe Photoshop software to produce an online banner as depicted in **Figure Q13** (You may support your discussion with illustrations).

(12 marks)

Q14 Given the following scenario:

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As a project developer, you are required to develop an online corporate
montage for the Faculty of Computer Science and Information Technology,
UTHM. This montage should serve the purpose of promoting the faculty's
academic program, facilities and   staff.  One  of  the  important  steps
involve in the multimedia   development  process  is  pre-production  or
planning.
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(a) Describe **TWO (2)** multimedia team members required for the pre-production phase based on the given project.

(6 marks)

(b) Analyze **THREE (3)** possible multimedia elements with their design requirements for the montage considering the delivery platform i.e., online. Assume that the potential audiences are the secondary school students.

(9 marks)

(c) Choose any **FIVE (5)** out of 10 steps that are tailored to the montage based on the 10-steps Multimedia Development Model. Explain **ONE (1)** requirement for each of the chosen steps.

(15 marks)