



**FINAL**  
Examination Paper

(COVER PAGE)

Session : April 2014

Programme : Diploma In Information And Communication Technology  
(DICTN/DICTI)

Course : ICT2108 / CSC1108 : Digital Image Editing

Date of Examination : July 25, 2014

Time : 8:00am – 10:00am Reading Time: Nil

Duration : 2 Hours

Special Instructions :

Answer any **FOUR (4)** questions.

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Materials permitted : Non-Programmable Calculator

Materials provided : Nil

Examiner (s) : Mr. Eric Sow Seah Kuan, Mugunthan Kandasamy.

Moderator : Ms. Robina Tinawin

This paper consists of 3 printed pages, including the cover page.

INTI INTERNATIONAL COLLEGE SUBANG

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY  
ICT2108 / CSC1108: DIGITAL IMAGE EDITING  
FINAL EXAMINATION: APRIL 2014 SESSION

Instructions: This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions in the answer booklet provided. All questions carry equal marks.

**Question 1**

- (a) What are colour models? List and describe **FOUR (4)** types of colour models. (13 marks)
- (b) Differentiate between *Linear* and *Non-linear* structure. Give **ONE (1)** example for each category. (6 marks)
- (c) State and explain **TWO (2)** types of compression. List **ONE (1)** file format for each of that compression you have described. (6 marks)

**Question 2**

- (a) List and explain the **FOUR (4)** types of selection tools in Adobe Photoshop. (12 marks)
- (b) List any **SIX (6)** tools that can be used to repair images. (6 marks)
- (c) Differentiate *frame animation* with *vector animation*. Name **ONE (1)** software that utilizes the concept of vector animation. (7 marks)

**Question 3**

- (a) List and explain any **FIVE (5)** types of Colour Adjustment Command. (10 marks)
- (b) Name and elaborate **TWO (2)** types of graphics and list **TWO (2)** advantages for each. (10 marks)

- (c) List down the correct number of colors on the following table.

(5 marks)

Bit Depth	Number of Colours
i) 2 bits	
ii) 4 bits	
iii) 8 bits	
iv) 16 bits	
v) 24 bits	

#### Question 4

- (a) Identify **FIVE (5)** multimedia elements and explain how each media is used in edutainment system.

(15 marks)

- (b) Name and explain the **FIVE (5)** key information involved in creating a new image in Photoshop.

(10 marks)

#### Question 5

- (a) An image file size varies from kilobytes to several megabytes depending on several factors. Identify and discuss **FOUR (4)** factors affecting an image file size and propose a method to greatly reduce its file size.

(10 marks)

- (b) Given an image size of 1024 X 800. The colour depth is 48 bits.

- i) Calculate the file size in bytes, kilobytes and megabytes.

(5 marks)

- ii) Prove if the image can be stored onto a small storage device with capacity of 4 megabytes.

(2 marks)

- (c) List and describe any **FOUR (4)** types of audio.

(8 marks)

#### Question 6

- (a) The information section of the document window can be very useful as it displays several types of information. Identify and explain any **FIVE (5)** document information options at the bottom of the document workspace.

(10 marks)

- (b) Explain the term "Multimedia Application". Discuss the **THREE (3)** categories of Multimedia Application, and provide an example for each category.

(15 marks)

--THE END--