

FINAL ALTERNATIVE ASSESSMENT
Examination Paper

(COVER PAGE)

Session : April 2021

Programme : Diploma in Information Technology (DITN)

Course : ICT2108: Digital Image Editing

Date of Examination : July 26, 2021 (Monday)

Time : 12:00pm – 3:00pm Reading Time : Nil

Duration : 3 Hours

Note: 30 minutes is added into the duration of the examination to factor in any connectivity matters and for you to scan and upload your scripts.

Special Instructions :

This paper consists of **TWO (2)** sections. Answer **ALL** questions in **Section A** and **Section B**.

Materials permitted : NIL

Materials provided : NIL

Examiner(s) : Dr. Ting Tin Tin, Melisa Kaur and Shirley Awe

Moderator : Mr. Andrew Ho

This paper consists of 5 printed pages, including the cover page

INTI INTERNATIONAL UNIVERSITY & COLLEGES

DIPLOMA IN INFORMATION TECHNOLOGY (DITN)

ICT2108: DIGITAL IMAGE EDITING

FINAL ALTERNATIVE ASSESSMENT: APRIL 2021 SESSION

Instruction: This paper consists of **TWO (2)** sections. Answer **ALL** the questions in Section A and Section B. All questions carry equal marks.

Section A (50 marks)

Instruction: Answer **ALL** questions.

Question 1

- (a) Stephanie is using Adobe Photoshop to create a line of text/type with wave style and render the text/type into an image layer in order to apply Filters. Identify and explain the **detail steps** of Stephanie in accomplishing the following works in Adobe Photoshop.
- (i) Create a line of text/type with wave style. (5 marks)
 - (ii) Rendering the text/type into an image layer. (5 marks)
 - (iii) Select a red car image in another layer and move the red car into the text layer. (5 marks)
- (b) Briefly explain **THREE (3)** advantages of using Adjustment layers. (6 marks)
- (c) Stephanie is interested in painting her background layer with a color that she found in another image. Explain the **detail steps** to select an exact color from an image and paint this color to another image. (4 marks)

(Total marks: 25 marks)

Question 2

When preparing images for commercial printing and for the web distribution, various and differing considerations are required.

- (a) List and explain **TWO (2)** specific considerations when preparing image for a commercial magazine printing. (6 marks)
- (b) List and explain **TWO (2)** specific considerations when preparing image for web distribution. (6 marks)
- (c) Identify the appropriate Bitmap digital image file extension for each of the following prepared productions: (5 marks)
- (i) E-brochure
 - (ii) Logo of a web site
 - (iii) Large print-sized movie poster
 - (iv) Wedding photo
 - (v) Billboard
- (d) (i) Name and explain **ONE (1)** color mode that is suitable for web distribution. (2 marks)
- (ii) Explain how do you switch an image's color mode in Adobe Photoshop. (2 marks)
- (e) Name **ONE (1)** tool and explain the **detail steps** to produce a poster for commercial printing with the following effects for the Image after Edit.



Image before Edit



Image after Edit

(4 marks)

(Total marks: 25 marks)

Section B (50 marks)**Instruction:** Answer **ALL** questions.**Question 1**

The following images show: (a) original image, and (b) an image after edited in Adobe Photoshop.



(a) Original image



(b) Edited Image

- (a) Identify and explain **ONE (1)** tool that can be used to change the background of the image (a). You need to specify the **detail steps** to apply the tools on the image which include: 1. Name of the tool, 2. Definition of the tool, 3. Detail steps of using the tool to edit the image. (10 marks)
- (b) Identify and explain **ONE (1)** *Filter tool* to make the background blur and soften so that the lady will appear clearer in the image. You need to specify the **detail steps** to apply the tools on the image which include: 1. Name of the tool, 2. Definition of the tool, 3. Detail steps of using the tool to edit the image. (7 marks)
- (c) Identify and explain **ONE (1)** tool to adjust the *tone* of the image to suit the new background. You need to specify the **detail steps** to apply the tools on the image which include: 1. Name of the tool, 2. Definition of the tool, 3. Detail steps of using the tool to edit the image. (8 marks)

(Total marks: 25 marks)

Question 2

Given the following information for three digital images:

	Image A	Image B	Image C
Height (pixel)	1280	720	1960
Width (pixel)	2048	2048	2140
Bit depth	16	24	8
FOV	1180	5180	3290

- (a) Calculate the file size (in byte) of Image A, B, and C? [Formula - (6 marks)
- (b) Calculate the pixel size of Image A, B, and C? [Formula - (6 marks)
- (c) Which image has better spatial resolution? Why? Arrange the image sequence (best to worst) according to spatial resolution. (5 marks)
- (d) Explain the steps to combine three images (Image A, B and C) into a new image file format with Image C as the background, Image A is the most revealing image that is converted into vector 3D image, and Image B is 50% transparency (8 marks)

(Total marks: 25 marks)

~ THE END ~

ICT2108 (F) / April 2021 / formatted