

FINAL
Examination Paper

(COVER PAGE)

Session : August 2015

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT2108: Digital Image Editing

Date of Examination : December 7, 2015

Time : 2.00pm – 4.00pm Reading Time : Nil

Duration : 2 Hours

Special Instructions :

Answer any FOUR (4) questions.

Materials permitted : Non-Programmable Calculator

Materials provided : Nil

Examiner(s) : Mr. Eric Sow Seah Kuan and Ms. Shirley Awe

Moderator : Ms. Robina Tinawin

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

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICTN)
ICT2108: DIGITAL IMAGE EDITING
FINAL EXAMINATION: AUGUST 2015 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) Define the term multimedia and describe how each multimedia element can be used in Science and Engineering sector with appropriate example. (13 marks)
- (b) List and explain any **SIX (6)** tools that can be used to repair images. (12 marks)

Question 3

- (a) Explain the function of each Photoshop panel below:
(i) Layers
(ii) Color
(iii) Tool Bar
(iv) Swatches
(v) Character (10 marks)
- (b) Discuss the best document settings for an A3 sized print advertisement. Identify the best setting for resolution, orientation and color mode with reasons. (6marks)
- (c) There are **THREE (3)** types of resolutions in computer graphics. Name and explain each of them. (9 marks)

Question 4

- (a) Name and explain **TWO (2)** types of graphics and list **TWO (2)** advantages for each. (10 marks)
- (b) What is *Multimedia Application*? Discuss the **THREE (3)** categories of Multimedia Application, and provide an example for each category. (15 marks)

Question 5

- (a) List and explain any **FIVE (5)** types of Colour Adjustment Command. (10 marks)
- (b) A selection isolates one or more parts of your image. List and explain the **FIVE (5)** types of selection tools in Adobe Photoshop. (15 marks)

Question 6

- (a) Name and explain the **FIVE (5)** key information involved in creating a new image in Photoshop. (10 marks)
- (b) Compute the total frame buffer (in Megabytes) to display an image in a monitor with resolution 1024 x 768 pixels and with 16-million colours. (5 marks)
- (c) Blending modes create amazing special effects by changing the way layers affect each other. Name and describe **FIVE (5)** Blending modes available in Photoshop. (10 marks)

