

**FINAL**  
Examination Paper

(COVER PAGE)

Session : APRIL 2017

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT2108: Digital Image Editing

Date of Examination : 30July, 2017 (Sunday)

Time : 11:00am – 1:00pm Reading Time : Nil

Duration : 2 Hours

**Special Instructions :**

Answer any FOUR (4) questions.

Materials permitted : Non-Programmable Calculator

Materials provided : Nil

Examiner(s) : Yogeswari , Shirley Awe

Moderator : Robina Tinawin

*This paper consists of 4 printed pages, including the cover page*

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY PROGRAMME  
(DICTN)  
ICT2108: DIGITAL IMAGE EDITING  
FINAL EXAMINATION: APRIL 2017 SESSION

**Instruction:** 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) Define the term multimedia and identify **FIVE (5)** multimedia elements. (8 marks)
- (b) Define digitization and provide **THREE (3)** examples of digitization process. (6 marks)
- (c) Describe **THREE (3)** categories of multimedia applications with examples. (6 marks)
- (d) Define the term interactive and provide **TWO (2)** examples. (5 marks)

**Question 2**

- (a) Define the terms vector and bitmap graphics. (6 marks)
- (b) Discuss the advantages and disadvantages of both vector and bitmap graphics. (8marks)
- (c) Identify the **TWO (2)** programs for both bitmap and vector graphics and the publication produced by each program. (6 marks)
- (d) List **THREE (3)** examples of file format for bitmap and **TWO (2)** examples for vector graphics (5 marks)

**Question 3**

- (a) Explain the additive and subtractive colors. (10 marks)
- (b) Draw and label the color model for both additive and subtractive color. (9 marks)
- (c) List the usage of both additive and subtractive color with the **TWO** (2) examples of publications. (6 marks)

**Question 4**

- (a) Explain the function of each Photoshop panel below:  
i. Layers  
ii. Color  
iii. Tool Bar  
iv. Swatches  
v. Character (10 marks)
- (b) Define the terms pixelization on an image and explain measure to prevent pixelization on an image. (5 marks)
- (c) Identify **FIVE** (5) tools used for selecting objects. (5 marks)
- (d) Explain the **TWO** (2) usage/applications of the selection tool in image editing process. (5 marks)

**Question 5**

- (a) Identify the use of the character palette and list **THREE** (3) elements in the character palette. (5 marks)
- (b) Define leading and kerning and explain the disadvantage of having tight leading and kerning. (9 marks)
- (c) Explain 'rasterize type layer' and the advantage having rasterized type layer. (6 marks)
- (d) Define the term 'missing font' and identify **TWO** (2) measures to prevent missing font. (5 marks)

**Question 6**

- (a) Discuss the best document settings for an A3 sized print advertisement. Identify the best setting for resolution, orientation and color mode and reasons for each setting. (12 marks)
- (b) Define the term monochromatic in color theory. (3 marks)
- (c) Given a picture with Image size = 120 x 90; File size is 32400 bytes. What is the color bits and how many colors in the image? (5 marks)
- (d) Given an image with dimension size 1024 x 800, and the number of colors is 156. Compute the Image file size in megabyte. (5 marks)