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.

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.
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)

<table>
<thead>
<tr>
<th>Bit Depth</th>
<th>Number of Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>i) 2 bits</td>
<td></td>
</tr>
<tr>
<td>ii) 4 bits</td>
<td></td>
</tr>
<tr>
<td>iii) 8 bits</td>
<td></td>
</tr>
<tr>
<td>iv) 16 bits</td>
<td></td>
</tr>
<tr>
<td>v) 24 bits</td>
<td></td>
</tr>
</tbody>
</table>

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--
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