



THE TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY
(DIT 2K 11M/ DIT 11M)

EIT 2208: COMPUTER AIDED ART & DESIGN

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: FEBRUARY 2013
TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

Question One (Compulsory)

- a) Define Computer Aided and Design. **(2 marks)**
- b) Differentiate between the following sets of tools available in the photoshop toolbox:
 - (i) Magic eraser tool and background erasers tool
 - (ii) Dodge tool and burn tool
- c) Design the image below and save it on the desktop as Wikipedia. **(6 marks)**

- d) Explain the relationship between computer Aided Art and Design and Multimedia Design. **(4 marks)**

Question Two

- a) Explain **FIVE** design considerations of Desktop publishing. **(10 marks)**
- b) Outline any **THREE** retouching tools available in Photoshop and state where each is used. **(6 marks)**
- c) List **TWO** uses of Computer Aided Design. **(4 marks)**

Question Three

- a) State the use of each of the following tools as found in Photoshop:
 - (i) Eraser
 - (ii) Color fill
 - (iii) Eye droppers
 - (iv) Pen tool
 - (v) Zoom tool**(10 marks)**
- b) Describe the following color models available in photoshop:
 - (i) RGB
 - (ii) CMYK
 - (iii) Gray scale
 - (iv) Lab scale**(8 marks)**
- c) State **TWO** advantages of using Graphic Design software over traditional design. **(2 marks)**

Question Four

- a) The toolbox is one of the most apparent elements of the photoshop workspace. Describe any FIVE other elements of this workspace. **(10 marks)**
- b) Photoshop allow you to be set a variety of file saving options in the Save As dialog box. Explain any **THREE** options available for saving a file. **(6 marks)**
- c) State the difference between 2D and 3D views. **(4 marks)**

Question Five

- a) Define the following as used in Photoshop:
- (i) Layers
 - (ii) Filters
 - (iii) Levels
 - (iv) Cloning
 - (v) Cropping
- (10 marks)**
- b) Design the logo and save it on the desktop as KHA. **(10 marks)**