



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

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

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2012

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 Art and Design. **(2 marks)**
b) Design the image below and save it on the desktop as star. **(5 marks)**

- c) Describe the following **THREE** disciplines that relate to Computer Aided Art and Design:
(i) Computer Aided Design (CAD)
(ii) Multimedia Design
(iii) Desktop Publishing **(6 marks)**
- d) State **FOUR** advantages of using a Graphic Design Software over manual (traditional) drawing and design. **(4 marks)**
- e) List **TWO** uses of Computer Aided Art and Design. **(2 marks)**

Question Two

- a) State and explain **FIVE** design elements in Computer Aided Art and Design. **(10 marks)**
b) Differentiate between the following sets of tools available in the Photoshop toolbox.
(i) Crop tool and slice tool
(ii) Clone stamp tool and pattern stamp tool
c) List any **TWO** software packages used for Computer Aided Art and Design. **(2 marks)**

Question Three

- a) State the use of each of the following tools as found in Photoshop:
(i) Lasso tool
(ii) Marquee
(iii) Ruler
(iv) Eraser
(v) Hand tool **(10 marks)**
- b) Explain **FIVE** design principles of Desktop Publishing. **(10 marks)**

Question Four

- a) Explain the following elements of the Photoshop workspace:
(i) Menu bar
(ii) Tools palette
(iii) Options bar
(iv) Documents window **(8 marks)**

b) Describe the following color modes available in Photoshop.

- (i) RGB
- (ii) CMYK
- (iii) Grayscale
- (iv) Lab scale

(8 marks)

c) Differentiate between a vector image and a bitmap image.

(4 marks)

Question Five

a) Explain **FOUR** skills required for Graphic Design

(8 marks)

b) Design the logo illustrated below and save it on the desktop as logo.

(12 marks)