

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/9/6

PERFORM GRAPHIC DESIGN

NOV/DEC 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. This paper has TWO sections A and B. Attempt questions in each section as per instructions given in the section.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets.
4. Do not write on the question paper

This paper consists of 3 printed pages

**Candidates should check the question paper to ascertain that all pages are printed
as indicated and that no questions are missing**

SECTION A: 40 MARKS

Answer ALL the questions in this section.

1. What is Typography? (2 Marks)
2. In graphic design, various elements are essential in creating visually appealing and effective compositions. These elements work together to convey messages, evoke emotions, and communicate ideas. Outline SIX elements used in graphic design. (6 Marks)
3. When creating and editing images, one has to consider image manipulation. List FOUR techniques used in image manipulation. (4 Marks)
4. What is graphic design? (2 Marks)
5. Raster images and vector images are two fundamentally different types of digital images, each with its unique characteristics. Differentiate between the *raster* images and *vector* images. (4 Marks)
6. In graphic design, various style concepts are employed to create unique and visually compelling designs. Identify FOUR style concepts used in these designs. (4 Marks)
7. Nanjala has been approached by sokolo college to help them reproduce images and text. Give THREE comparisons between *digital* and *offset* printing equipment to help her choose the right one. (6 Marks)
8. Layers are essential for arranging and modifying various aspects in an image and are used extensively in image processing. Mention FIVE effective uses of layers. (5 Marks)
9. Photographers and graphic designers who want to make sure their work fits different standards and is easily shared or printed should be conversant with a number of industry-standard file formats and export options. Identify THREE standards in JPEG. (3 Marks)
10. Graphic design is applied in various fields, contributing to the visual communication of ideas, information and concepts. State FOUR application areas of graphic design. (4 Marks)

SECTION B: 60 MARKS

Answer any THREE questions in this section.

11.

- a) When using typographic tools to build dynamic layouts, common mistakes can have a negative effect on readability and overall design. Explain FIVE of those common mistakes.

(10 Marks)

- b) Choosing the best graphic design software for a given project or design assignment requires taking into account a number of variables. Discuss any FIVE variables you should consider.

(10 Marks)

12.

- a) Joseph a student in a national polytechnic wants to develop a graphic design on his t shirt. Examine any FIVE principles he should consider during the design.

(10 Marks)

- b) In a class lecture, the students were taught different types of typography techniques used in graphic design. As an expert in this field analyze FIVE types of typography techniques.

(10 Marks)

13.

- a) With Adobe Photoshop, adjustment layers are essential for creating images because they offer a versatile and non-destructive method of manipulating color, contrast, and tone.

Explain any FIVE roles of adjustment layers.

(10 Marks)

- b) An understanding of anatomy can significantly impact and plays a critical role in graphic design. Discuss any FIVE roles of anatomy in the graphic design.

(10 Marks)

14.

- a) Kerning is a fundamental aspect of typography. Illustrate FIVE key features and why it's important for design and readability.

(10 Marks)

- b) GIMP (GNU Image Manipulation Program) is used as an alternative to Adobe's photo editing software. Review FIVE key features associated with GIMP.

(10 Marks)

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