**SUKELEMO JOINT MOCK EXAMINATION**

**Kenya Certificate of Secondary Education-Mock**

**ART AND DESIGN**

**442/1 Paper 1**

**NOV. 2021 - 1 ½ hours**

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**SECTION A (20 marks)**

*Answer* ***all*** *the questions in this section in the spaces provided.*

2. What is a picture plane in art? (1mark)

* The flat two-dimensional surface on which we draw or project an image in perspective.

1. Identify the technique use to render the art work below (1mark)



* Cross hatching

1. What is environmental design? (1mark)

* An area of design that deals with the shaping of the physical environment. E.g Architecture, interior design, landscape architecture

1. Below is a still-life composition. Study it carefully and answer the question that follows.

Identify two outstanding elements in the composition above (2marks)

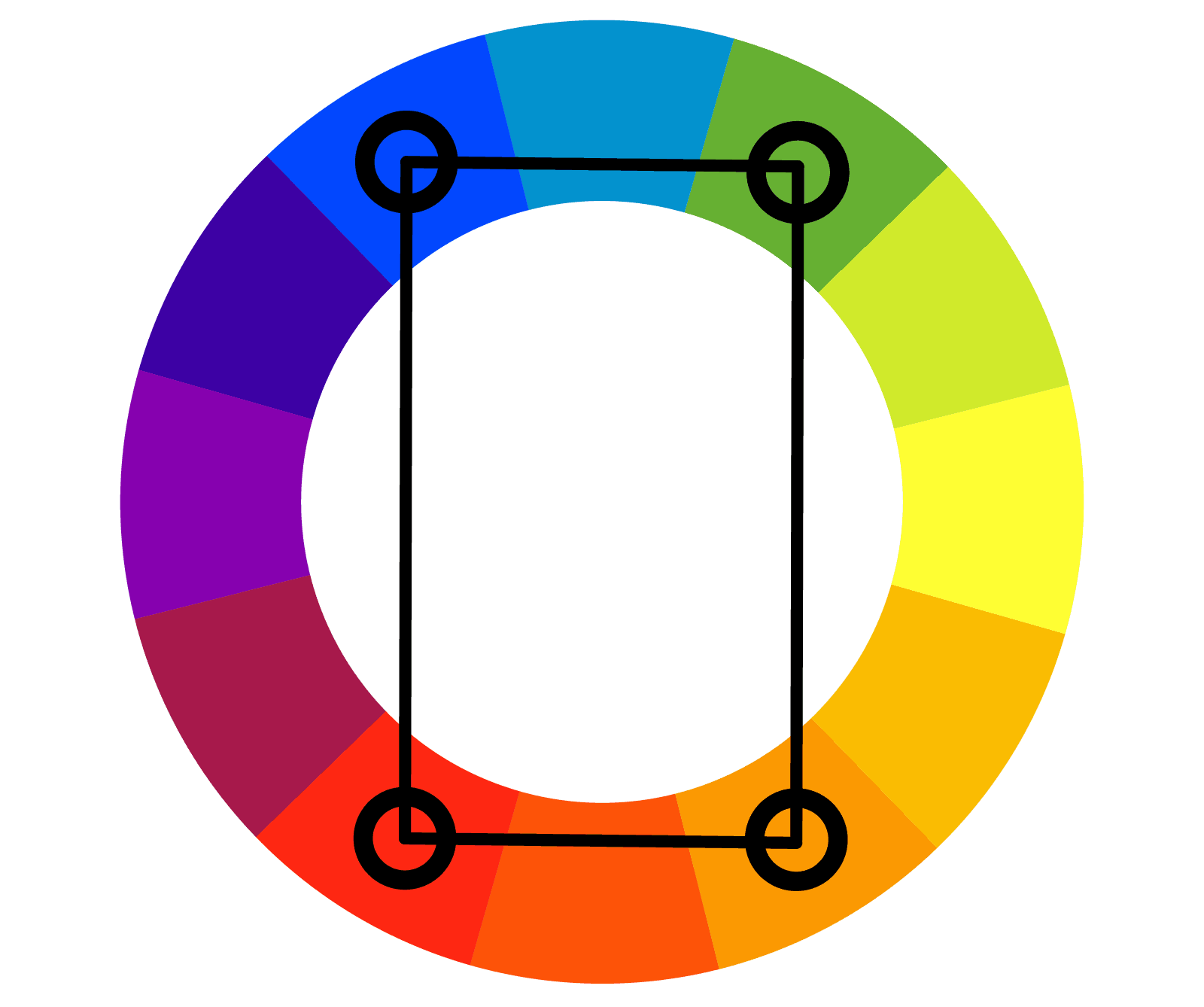


* Texture
* Shape

1. Explain the difference between simulated texture and invented texture (2marks)

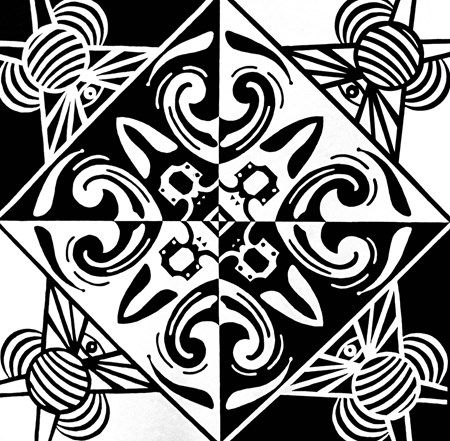
* Simulated texture is imitated/copied from existing objects
* Invented texture is created by the artist through the use of patterns etc.

1. Identify and explain the colour scheme illustrated below: (2marks)



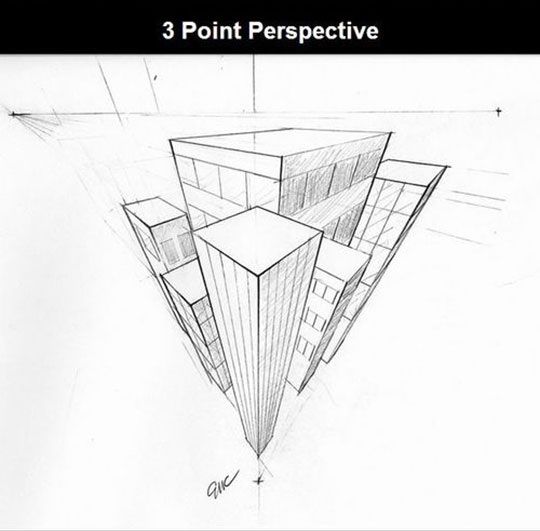
* Tetradic colors : two sets of complementary pairs of colors found opposite each other on the color wheel

1. Identify and explain the type of balance shown in the illustration below: (2marks)



* Asymmetrical balance: Elements on either halves of the composition are not similar

1. Below is a type of perspective drawing



1. Identify the type of perspective portrayed in the composition below (1mark)

* Three-point linear perspective

1. State and explain the eye view portrayed in the composition above (1mark)
   * Bird’s eye view
2. Explain the difference between contour and gesture drawing (2marks)

1. Explain two techniques of book making (2marks)

* Hinge method
* Hard spine method
* Folding

1. Identify the parts labeled A, B and C in the composition rendered below: (3marks)



**C**

**B**

**A**

* A – Highlight
* B – Core shadow
* C- Cast shadow

**SECTION B (25 marks)**

*Answer* ***all*** *the questions in this section in the spaces provided.*

1. a) Identify two elements of an emblem (2marks)

* Shape (Pictorial image)
* Colour

1. Explain three key stages in layout process of design (3marks)

* Thumbnails
* Roughs
* Comprehensives

1. a) Explain the term sizing as applied to weaving (1mark)

* Application of a protective coat on yarns

1. Highlight four reasons for sizing yarn during the process of weaving (4marks)

* To reduce abrasion
* To strengthen yarns
* To prevent breakage of yarns
* To reduce hairiness

1. Study the painting below and answer the questions that follow:



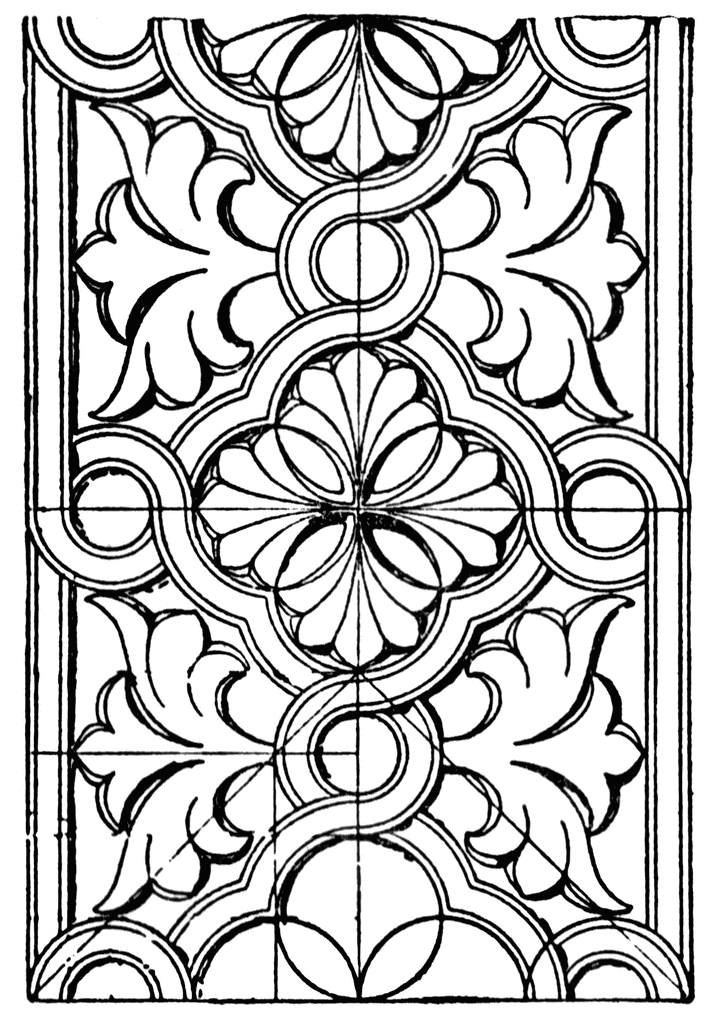
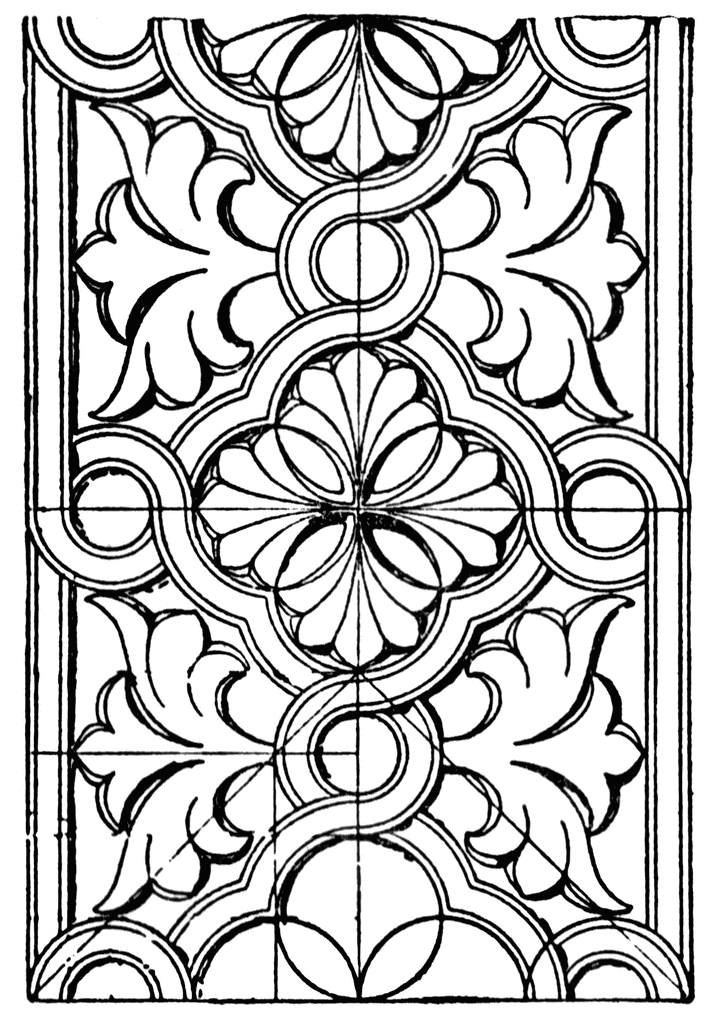
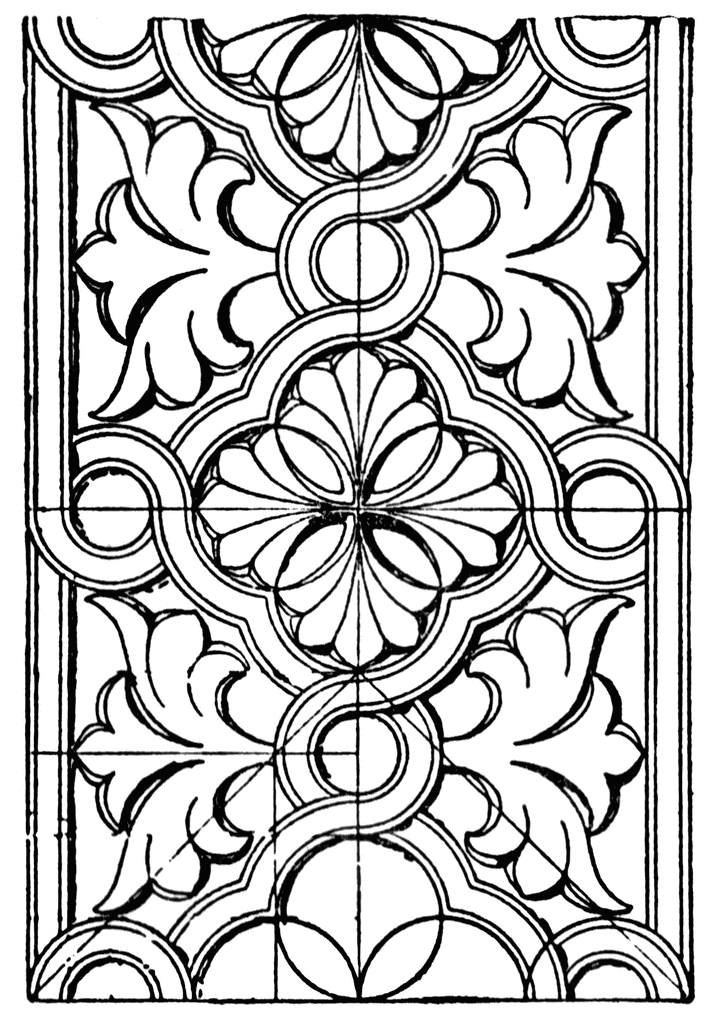
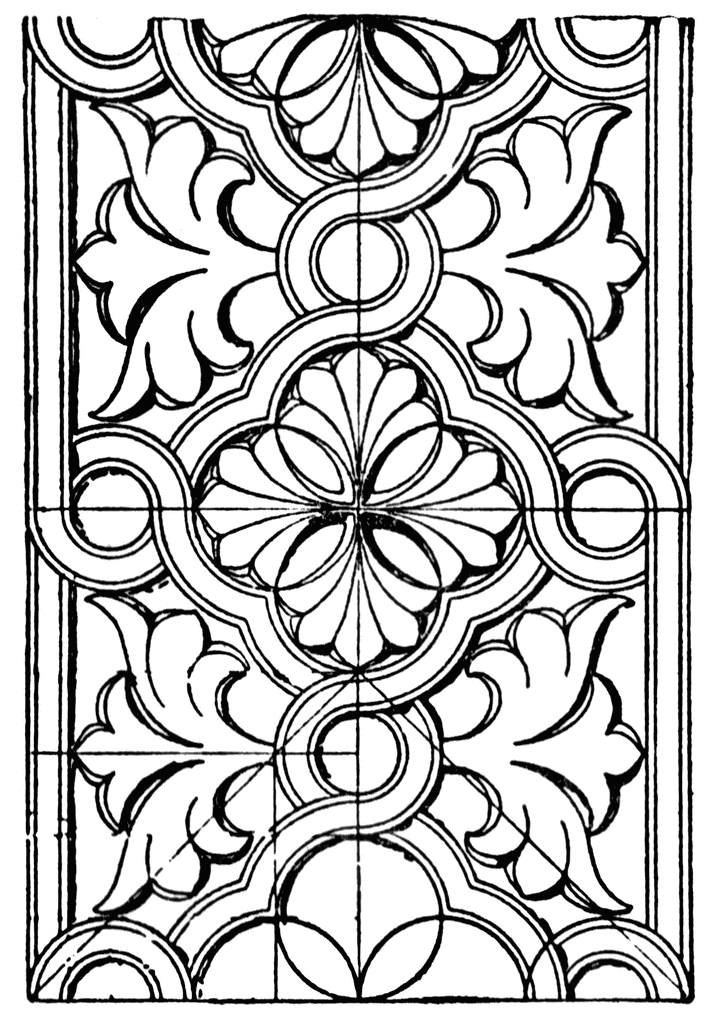
1. Identify the type of painting (1mark)

* Rock/ cave painting

1. State four characteristics of the painting above (4marks)

* Consisted of hunting scenes/ human and animal forms
* Sketch figures
* Done using natural earth colours
* Superimposed paintings- i.e new paintings were done over old paintings

1. In the space provided below, create a composite pattern using the image below (4marks)



Z

1. Complete the table below (6 marks)

|  |  |  |
| --- | --- | --- |
| Symbol | Identity/ Type | Function |
| Big Ride On Accessories Traffic Signs- Buy Online in Kenya at Desertcart -  51384533. | Road sign | No waiting |
| Disability symbols and signs collection Royalty Free Vector | Disability sign | Braille |
| https://technologystudent.com/prddes1/environ6.png | Environmental sign | Do not dispose in ordinary bin |

**SECTION C (15 marks)**

*Answer any* ***one*** *question in the spaces provided after* ***question 9.***

1. a) Identify three causes of pinholes on a printing screen (3marks)

* Dust/dirt on the screen
* Poor handling of the screen
* Poor application of the blocking medium ( e.g wax)

1. You have been provided with two colours of printing ink. Discuss the process of creating a three colour

print using the block out method in screen printing. (12 marks)

* Draw/ Sketch design
* Gather tools & materials
* Trace design on screen
* Apply blocking medium on the screen accordingly
* Prepare printing surface
* Register the design
* Lay screen on printing surface
* Apply ink of first colour and pull with the squeegee
* Allow ink to dry
* Clean the screen to remove remains of first colour
* Place the screen partially covering the first print (overprinting)
* Apply second colour and pull with squeegee
* Leave to dry
* Press with hot iron to finish

1. a) Explain the term Engobe as applied to pottery (1mark)

* Application of white or colored slip to pottery for decoration or to improve the surface texture

b) Describe three techniques of wedging clay (6marks)

* Spiral wedging-
* Rams head

c) Using Illustrations discuss four techniques of hand building in pottery (8marks)

* Pinch
* Slab
* Coil
* Scoop
* Pellets
* Ball

1. a) Identify three types of reliefs in sculpture making (3marks)

* Bas relief
* Inverse/intaglio relief
* Raised relief

b) Discuss the process of creating a sculpture in the round using plaster of Paris (12marks)

* Sketch the design
* Gather tools & materials
* Prepare an armature
* Mix plaster with water
* Apply the paste on armature
* Continue apply until the whole structure is covered
* Add details
* Refine details
* Allow to dry
* Smoothen by sanding
* Apply colour to finish (optional)