

Name:.....AdmNo:.....Stream:.....

Candidate's Signature:.....Date:.....

449/2

Drawing & Design

PAPER 2

November -2021

Time: 2 ½ Hours



SAMIA SUB-COUNTY JOINT EXAMS

Kenya Certificate of Secondary Education

DRAWING & DESIGN

INSTRUCTIONS TO CANDIDATE:

- Write your **name**, **AdmNo**, and **Stream** in the spaces provided.
You should have the following for this examination;
- Drawing instruments
- Scale rule
- **3** sheets drawing papers size **A3**.
- This paper consists of **ONE** compulsory question.
- This paper is to be issued to the candidates 30 minutes before the examination starts
- The candidate is advised to spend this time understanding the design problem and planning the work on one of the drawing papers provided.
- Candidates may be penalized for not following the instructions given in this paper.

FOR EXAMINERS' USE ONLY.

QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1	40	

DESIGN PROBLEM (40 MARKS)

Design a coffee table for two which can also serve as a drawing board.

Consideration

- 1.It should be stored in a vertical position when not in use.
- 2.It should be able to serve people of various heights.
- 3.It should be comfortably used as a drawing board without much straining.

Requirements

- a) Sketch two possible solutions. (6mks)
- b) Draw a fully labeled pictorial drawing of the selected solution. (11mks)
- c) Draw exploded drawing to allow for;
 - i. Consideration 1. (5mks)
 - ii. Consideration 2. (5mks)
 - iii. Consideration 3. (5mks)
- d) State three types of materials used and where applied. (6mks)
- e) State two methods used in joining the parts and state where each joint is applied.