**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**

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