**SAMIA SUB-COUNTY EXAMS**

**Kenya Certificate of Secondary Education**

**DRAWING AND DESIGN PAPER 2 -2021**

MARKING SCHEME PP2

1. ***TWO POSSIBLE SOLUTION***
* 2 functional sketches award 3 marks each max 6 marks
* 1 functional sketch award 1.

1. ***LABELLED PICTORIAL SKETCH 11Marks*.**
* Good looking sketch meeting the three considerations (collapsibility, height adjustment and angle adjustment) award 4 marks
* Proportionality. (2mks)
* Correct projection (Isometric, oblique, perspective). (2mks)
* Line work. (2mks)
* Accuracy (1mk)
1. ***EXPLODED SKETCH OF MECHANISMS***

Consideration 1 collapsibility

Functional sketch. (3mks)

Line work (1mk)

Neatness (1mk)

***Consideration 2 height adjustment***

Function sketch (3mks)

Line work.(1mk)

Neatness

***Consideration 3 angle adjustment***

 Functional sketch (3mks)

 Line work (1mk)

 Neatness (1mk)

1. **THREE MATERIAL USED AND WHERE APPLIED**
* Wood (be specific i.e. hard /soft, ply block board) for the top. (2mks)
* Metal (be specific i.e. tubular bars or round bars) for stands (2mks)
1. **JOINING METHODS** award 1 mark for max.2 marks
* Bolts and nuts –stands
* Screws block board to metal
* Gluing -rubber to metal