

SAMIA SUB-COUNTY EXAMS
Kenya Certificate of Secondary Education
DRAWING AND DESIGN PAPER 2 -2021

MARKING SCHEME PP2

a) **TWO POSSIBLE SOLUTION**

- 2 functional sketches award 3 marks each max 6 marks
- 1 functional sketch award 1.

b) **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)

c) **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)

d) **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)

e) **JOINING METHODS** award 1 mark for max.2 marks

- Bolts and nuts –stands
- Screws block board to metal
- Gluing -rubber to metal