

491/2

DRAWING AND DESIGN

Paper 2

2 ½ hour

SUKELLEMO EXAMS-2022

Instruction to candidates

- a) *You should have the following for this examination;*
- *Answer sheet*
 - *Drawing instrument*
 - *2 sheets of drawing paper size A3*
 - *3 sheets of drawing paper size A4*
- b) *This paper has one compulsory question.*
- c) *This paper is to be issued to the candidates 30 minutes before the examination starts.*

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DESIGN PROBLEM 40 MKS

Design a general-purpose wheelbarrow with an adjustment mechanism to allow the body to be either lowered or raised at the wheel.

- a) Make sketches of two possible design (6mks)
- b) Make well labeled pictorial drawing of the selected design. (14mks)
- c) State three different methods used in assembling the parts and where its used. (6mks)
- d) Sketch the height adjustment mechanism between the wheel and the frame to allow a maximum adjustment of 100mm. (10mks)
- e) Prepare a part list for the wheelbarrow. (4mks)

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