

Candidate's Examination Number

SMZ

ZANZIBAR EXAMINATIONS COUNCIL

FORM THREE ENTRANCE EXAMINATION

058

TECHNICAL DRAWING

TIME 2:30 HOURS

THURSDAY 30TH NOVEMBER, 2017 p.m

INSTRUCTIONS TO CANDIDATES

1. This paper consists of six (6) questions
2. Answer question number one (1) and any other three (3) questions.
3. All dimensions are in millimeters (mm).
4. Write your examination number on every page of this booklet.
5. Cellular phones are not allowed in the examination room.
6. Use a blue or black pen in writing. The diagrams must be drawn in a pencil.

FOR EXAMINER'S USE ONLY		
Question number	Marks	Signature
1		
2		
3		
4		
5		
6		
TOTAL		

This paper consists of 7 printed pages.

1. From the figure 1 below, draw,

- a) Front elevation
- b) End elevation
- c) Plan.

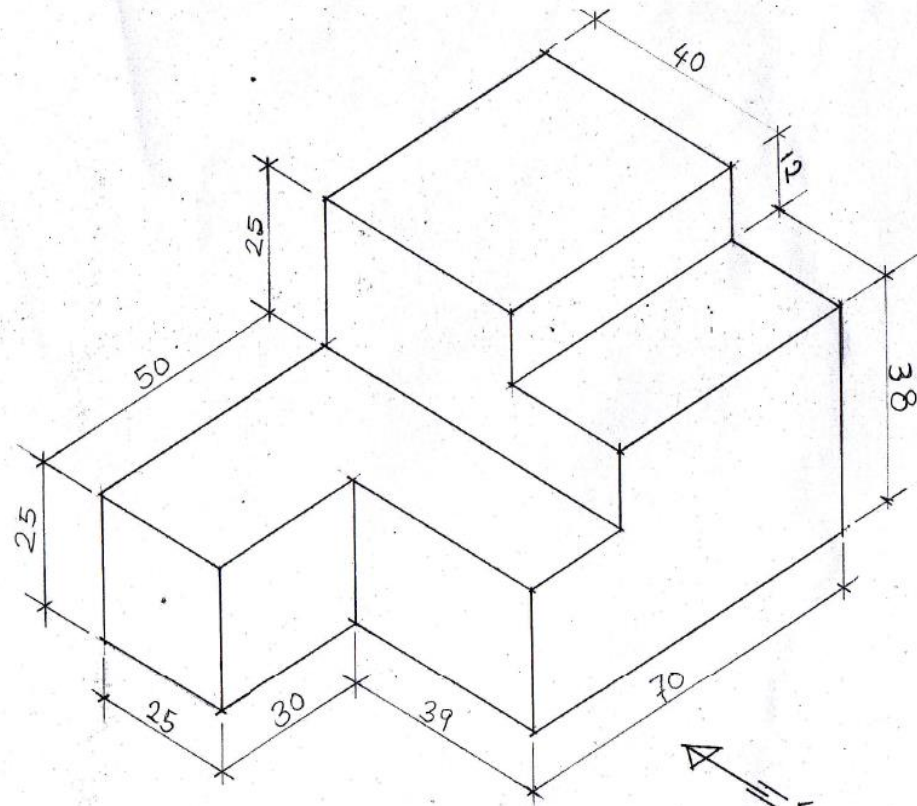


Figure 1

2. A quadrilateral ABCD has sides $AB = 62\text{mm}$, $BC = 43\text{mm}$, $CD = 80\text{mm}$, $DA = 75\text{mm}$ and $AC = 87\text{mm}$. You are required to construct the quadrilateral.

3. a) Identify the functions of T-square.

- b) With the aid of hand sketching, briefly explain the following terms

- i) A sector

ii) A segment

iii) A radius

iv) An arc.

- b) Construct angles of 60° and 30° .
5. Within a circle of diameter 80mm, construct a regular heptagon
6. a) Draw a line AB 100mm long and divide this line in to seven (7) equal parts.

- b) List down five (5) types of lines for drawing purposes.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.