

Candidate's examination number.....

SMZ

ZANZIBAR EXAMINATIONS COUNCIL

FORM THREE ENTRANCE EXAMINATION

058

TECHNICAL DRAWING

TIME 2:30 HOURS

Wednesday, 05th December 2018 pm

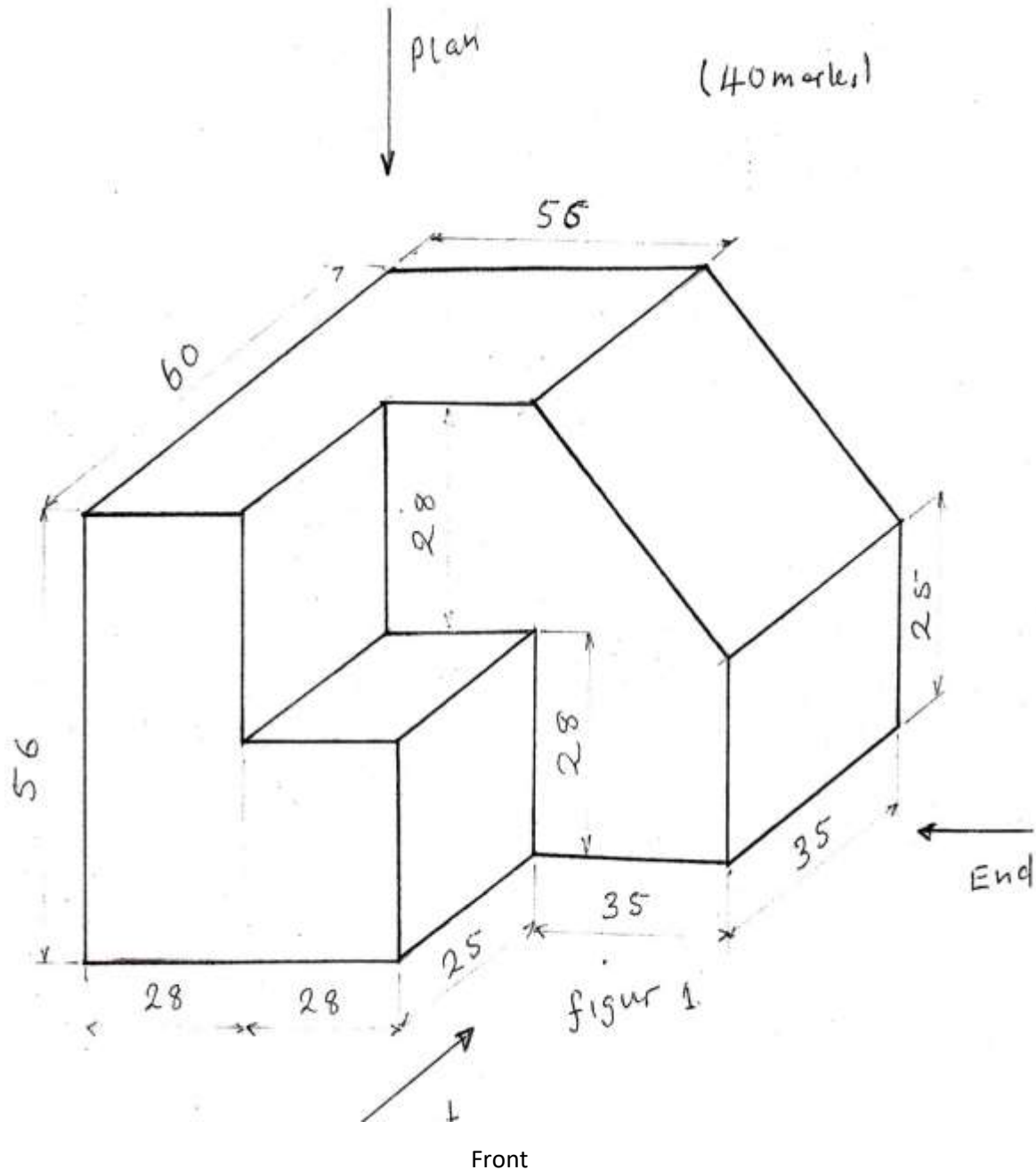
INSTRUCTIONS TO CANDIDATES

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.

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

This paper consists of 4 printed pages.

1. From the given figure 1 below, draw the front elevation, end elevation and plan in first angle projection.



2. A rectangle ABCD has got the following dimensions,

AB = 55mm, BC = 30mm. Construct a square of equal area to the given rectangle.



3. a) What is a triangle?

- b) Construct a regular pentagon given the side length = 47mm.

4. a) Name two (2) methods of orthographic projections.

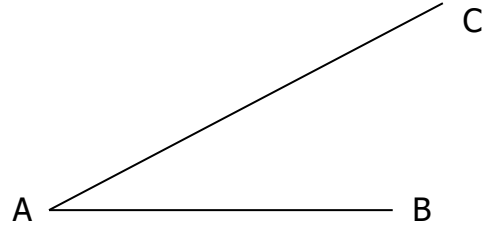
- b) Construct a circle touching the arms of an angle and a point within the

angle given that,

AB = 110mm

Angle BAC = 35°

AC = 120mm



5. a) Distinguish between a pentagon and octagon.

- b) Given that ,

Major diameter = 80mm, Minor diameter = 40mm. Construct an ellipse by using concentric circle method.

6. a) Name any three (3) methods of construct ellipse .
- b) Construct a triangle in to three equal triangles by drawing lines through one vertex in triangle ABC, given that AB = 80mm, BC= 70mm and CA =90mm.
