



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF THE DEGREE
OF BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION &
EXTENSION**

**FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)**

AGEN 111 – INTRODUCTION TO TECHNICAL DRAWING

STREAM: Y1S1

TIME: 2 HOURS

DAY: MONDAY, 9:00 A.M – 11:00 A.M

DATE: 05/12/2022

INSTRUCTIONS

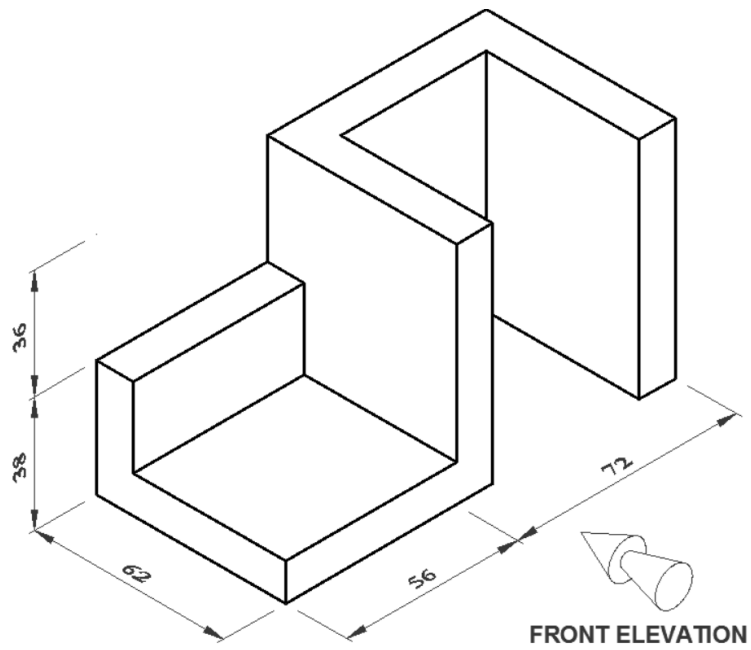
- 1. Do not write anything on this question paper.***
- 2. Answer question ONE (Compulsory) and any other TWO questions.***

QUESTION ONE

- a) Inscribe a regular octagon in a circle of radius 80mm (4marks)
- b) Make a free hand sketch of the following farm tools
- i. Rake
 - ii. Jembe
- (6marks)

QUESTION TWO (20 MARKS)

Draw a third angle orthographic projection of the given block. The arrow is pointing in the direction of the front elevation and the material has a thickness of 12mm.



(20 marks)

QUESTION THREE (20 MARKS)

Draw the following block in isometric projection. All dimensions are in mm.

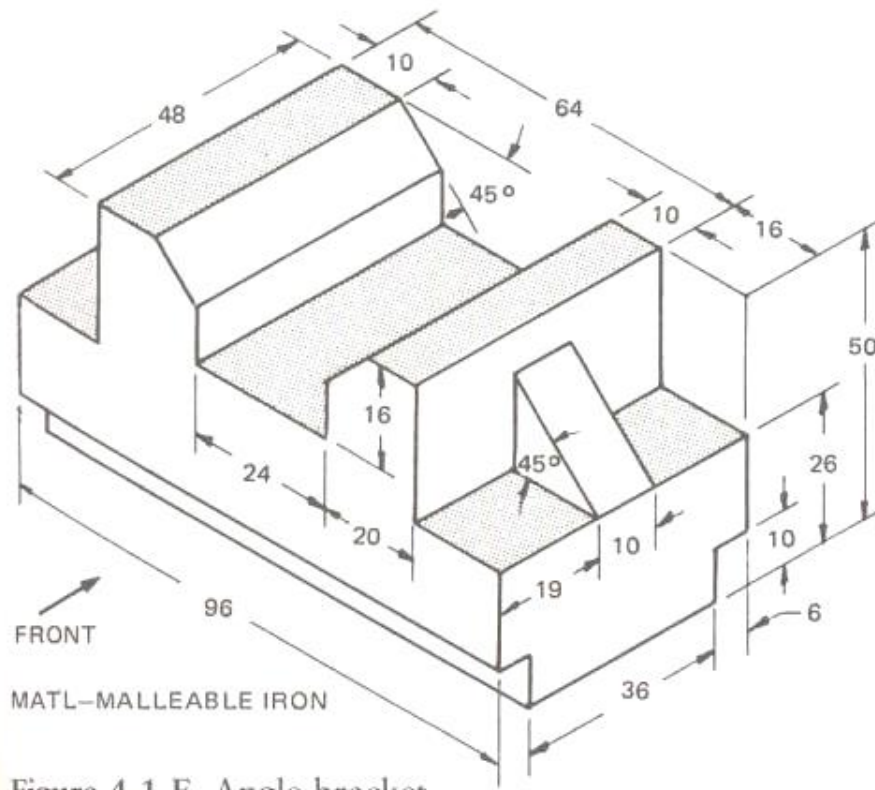
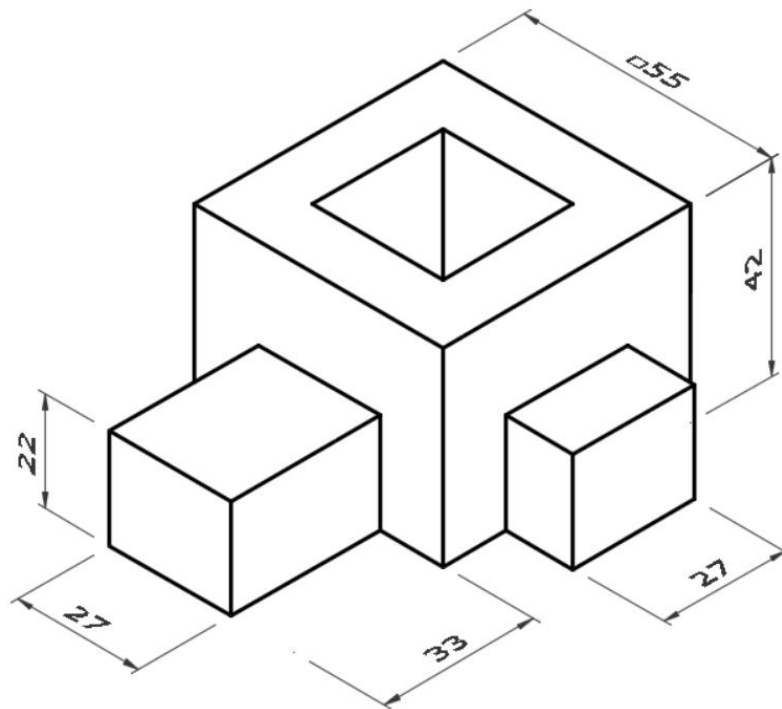


Figure 4-1-E Angle bracket

QUESTION FOUR (20 MARKS)

Draw the following wood working block in oblique projection.



QUESTION FIVE (20 MARKS)

The figure shows the loudspeaker grill of a car radio. The grill is rectangular with an elliptical hole. Draw the grill, full size, showing the construction clearly.

