

ADDITROM SCHOOL

Motto: the truth giveth light and peace

JHS 2 PRE- TECH OPTIONS

Answer two questions from this part. (50marks)

2. (a) i. Distinguish between setting out and marking out. .
ii. Copy and complete the table.

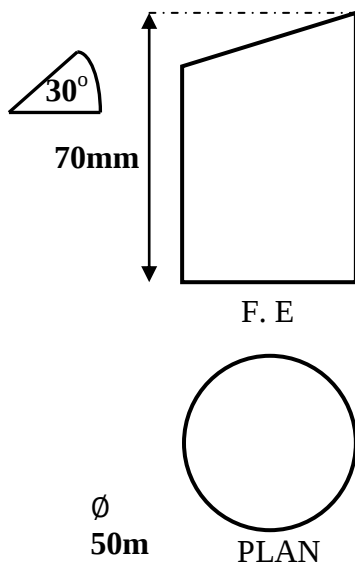
Tool	One use	One care and maintenance
Scriber		
Dot punch		
Centre punch		
Hack saw		
Flat chisel		
Engineer's vice		

- (b) Explain the following processes carried out at the workshop.

- i. Paring
- ii. Chopping
- iii. Chipping

- (c) i. Make a freehand sketch of firmer chisel.
ii. State the uses of the firmer chisel.

- (d) The figure below is a frustum.
i. Draw the given **Front elevation** and **Plan**
ii. Draw the **Surface Development**



3. (a) i. Make a freehand sketch of a rip saw and state its uses.
ii. Explain the term ripping.
- (b) i. Explain the following terms in timber production.
— Felling
— Conversion
— Seasoning
- ii. State the reason why the following timber is selected for specific jobs.
— Sapele
— Wawa
— Odum
- (c) i. Explain the term pinning and how it can be prevented.
ii. Explain cross filing and draw filing.
- (d) List any four striking tools you know.
4. (a) The figure below shows a metal block to be cut at the workshop.
Draw to full scale in **first angle** projection the following views in the direction of arrow
- Front Elevation
 - Plan
 - End elevation
- (b) List two marking out tools that can be used to mark out the shape.

All dimensions in 'mm'.

