



G+

QUESTION 2: LOCI (MECHANISMS)

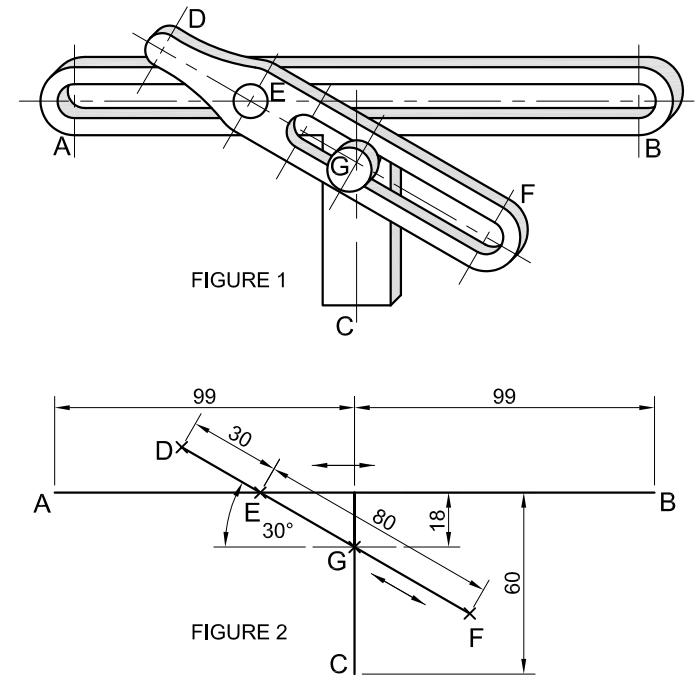
- Given:**
- A mechanism consisting of a movable slider DF and a T-piece ABC
 - FIGURE 1: An oblique drawing of the mechanism
 - FIGURE 2: A schematic drawing of the mechanism
 - Point G as the reference point on the drawing sheet

Motion:

Pin E, located on slider DF, slides freely in groove AB to its furthest position on the left, then to its furthest position on the right. Slider DF moves freely around a fixed pin G located on the T-piece ABC.

- Instructions:**
- 2.1 Draw, to scale 1:1, the given schematic drawing using point G as the reference point. Include ALL labels.
 - 2.2 Trace the locus of point D for the complete movement of the slider.
 - 2.3 Trace the locus of point F for the complete movement of the slider.

- Show ALL necessary construction. [33]



ASSESSMENT CRITERIA				
GIVEN + LABELS	6			
CONSTRUCTION	6			
LOCUS D + CURVE	11			
LOCUS F + CURVE	10			
TOTAL	33			
EXAMINATION NUMBER				
EXAMINATION NUMBER				3