

QUESTION 2a

LOC
HELIX

Figure 1 shows a picture of a typical **spring** application. You are given an incomplete front view and an incomplete top view of a circular (coil) spring. Project and draw the spring with the following specifications:

- The direction of turn is **anti-clockwise** (Right Hand).
- The spring **starts** at **point L** and **ends** at **point R** in **1 turns**.
- Show all **constructions**.
- Show the **centre line** of the spring.

ASSESSMENT CRITERIA

- | | |
|------------------------|----|
| • Set-up | 4 |
| • Plot Points | 9 |
| • Locus | 6 |
| • Hatching | 4 |
| • Direction | 3 |
| • Centre Line of locus | 3 |
| • Top View | 1 |
| • LW / ACC / PRE | -2 |

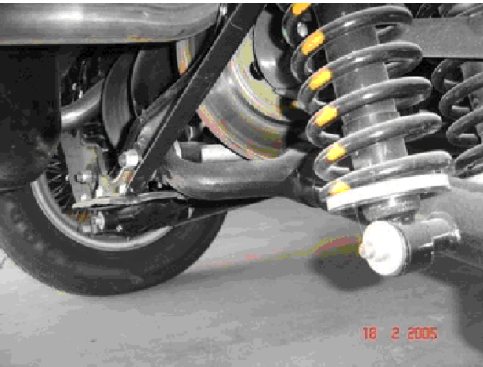
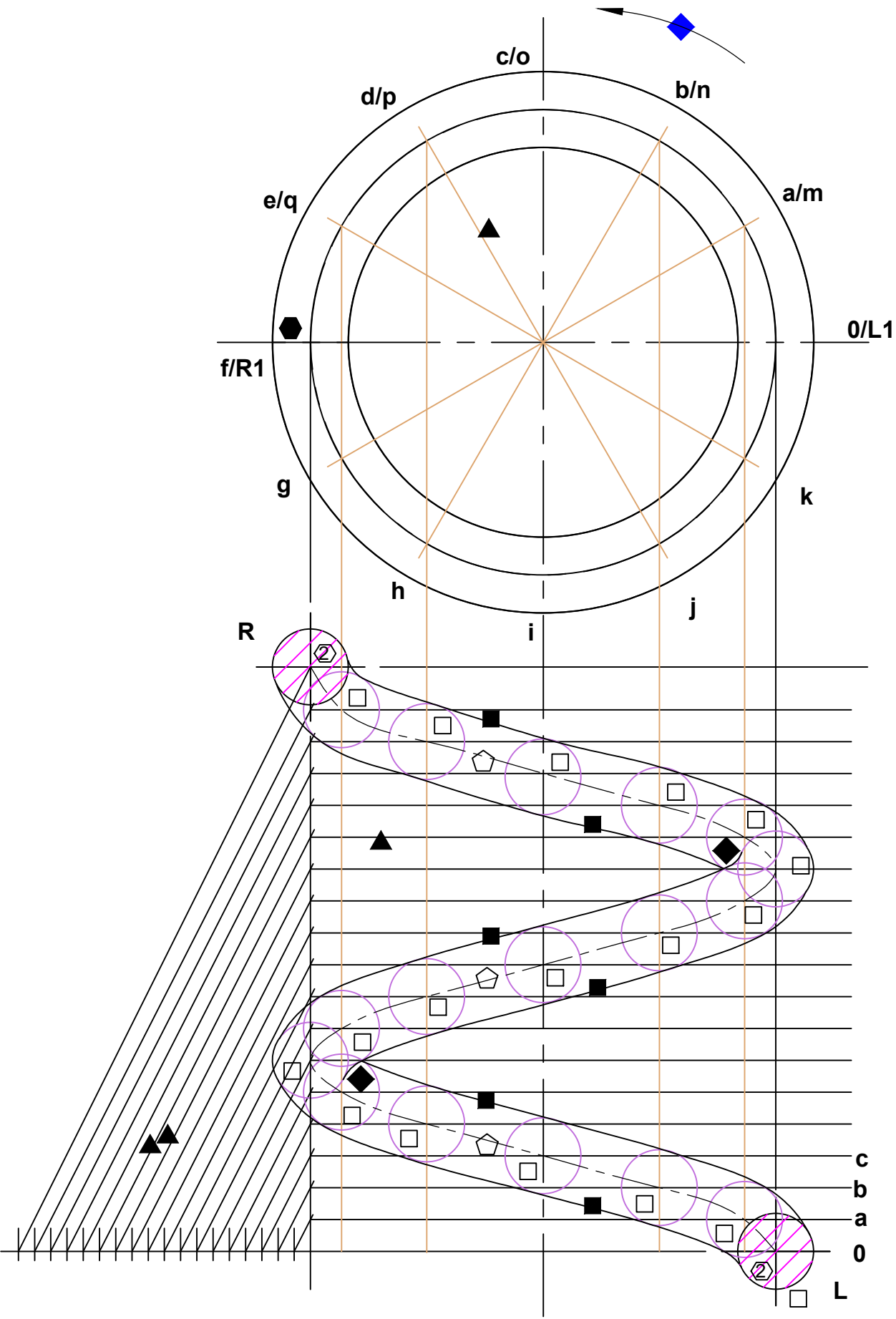


FIGURE 1



Setup	▲	4
Plot/Circles	□	18/2
Locus	■	6
Hatching	◻	4
Direction	◆	3
Centerline	◻	3
Top view	◆	1
Lw/Acc/Pr		-2

SET	
PTS	
LOC	
HAT	
DIRE	
C/L	
TV	
L/N/P	

30 MARKS

EXAMINATION NUMBER

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ANSWER SHEET 2a