higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

MECHANICAL DRAUGHTING

23 JULY 2018

This marking guideline consists of 7 pages.

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INSTRUCTIONS AND INFORMATION

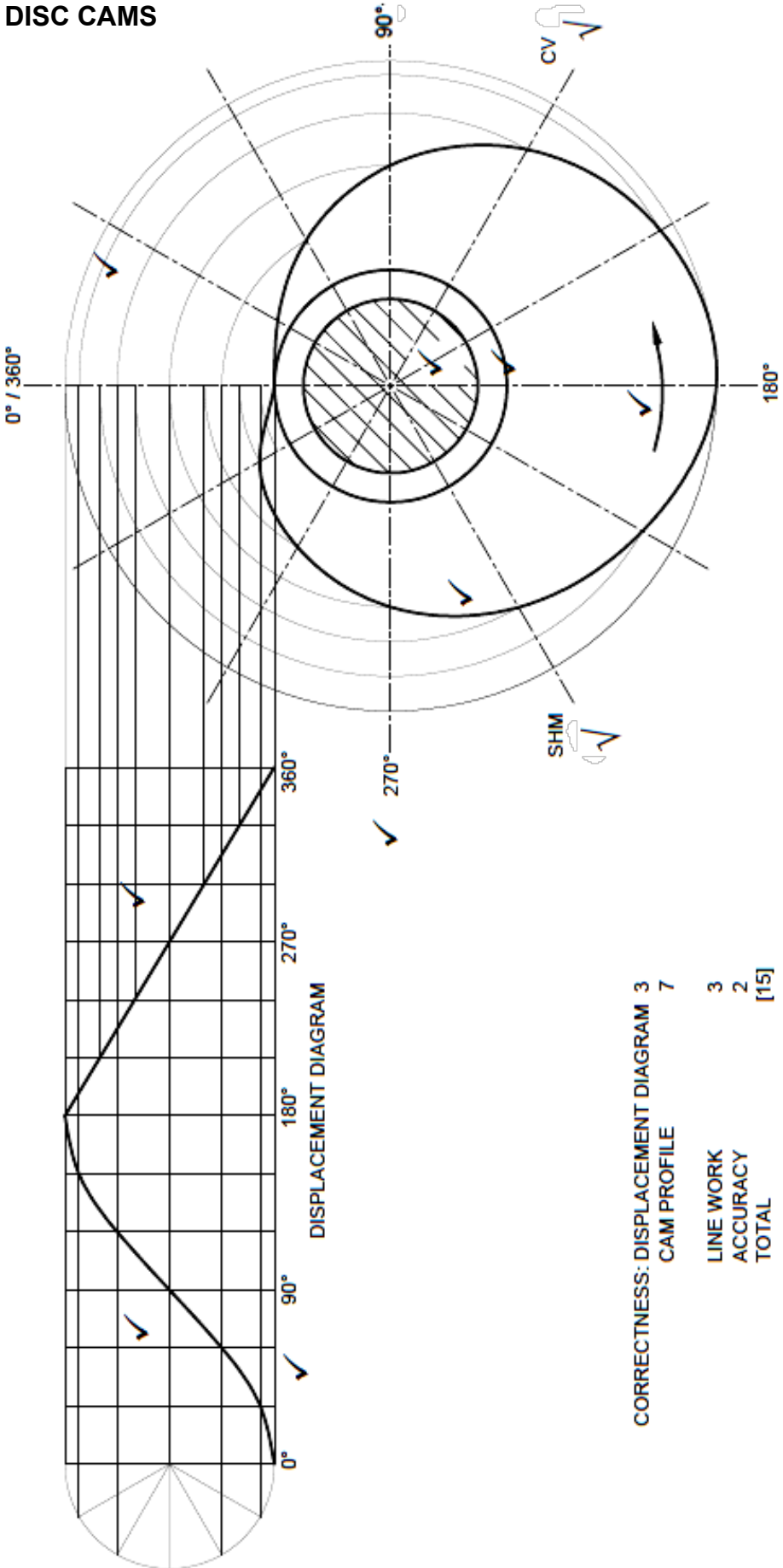
1. To ALL marking centre managers: Copying and transferring of drawings from CAD to MS Word may affect the accuracy of drawings.

2. Therefore ALL markers must have a fully completed marking guideline to use in the marking process.

3. If candidates draw this paper on CAD and each drawing is on individual pages, 1 mark for each drawing on each page should be awarded for neatness and layout.

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QUESTION 1: DISC CAMS



CORRECTNESS: DISPLACEMENT DIAGRAM 3
CAM PROFILE 7

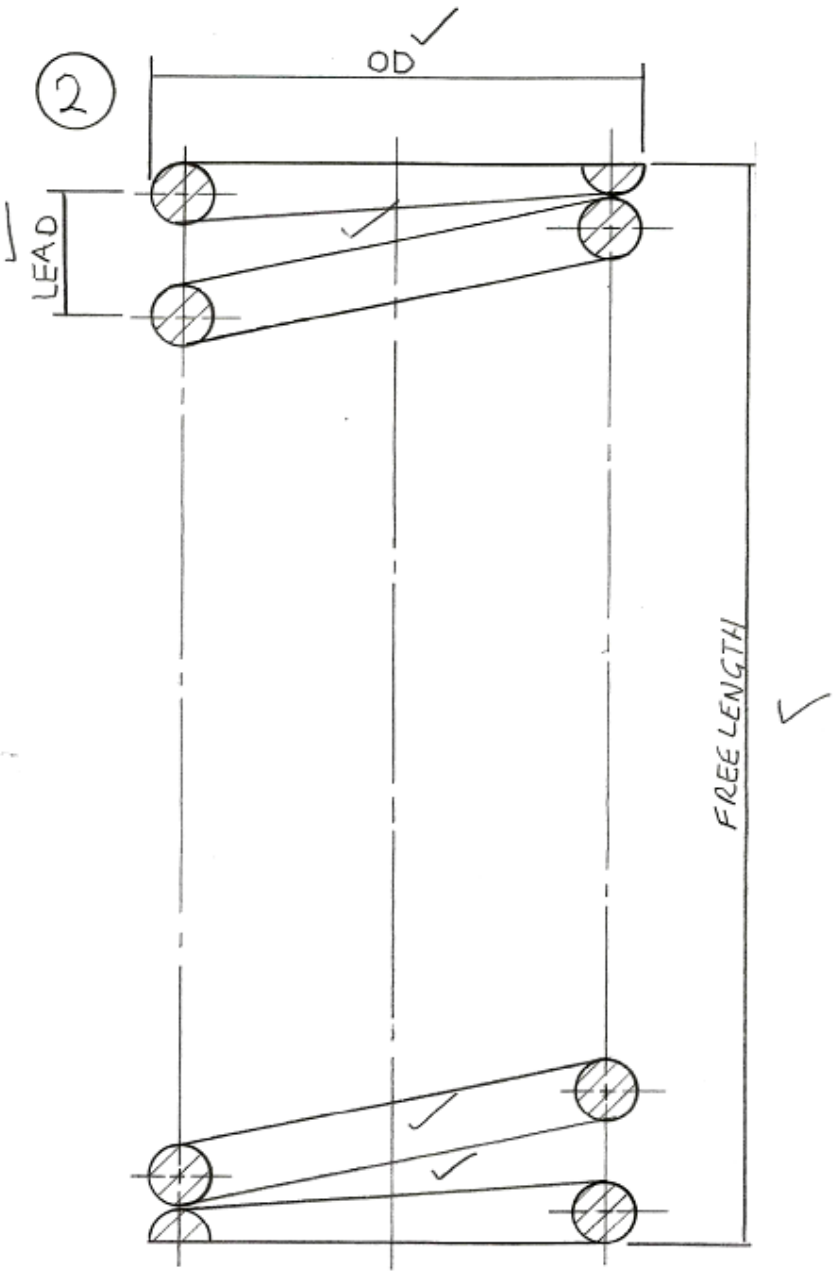
LINE WORK 3
ACCURACY 2
TOTAL [15]

✓ = 1 MARK

√ = ½ MARK

[15]

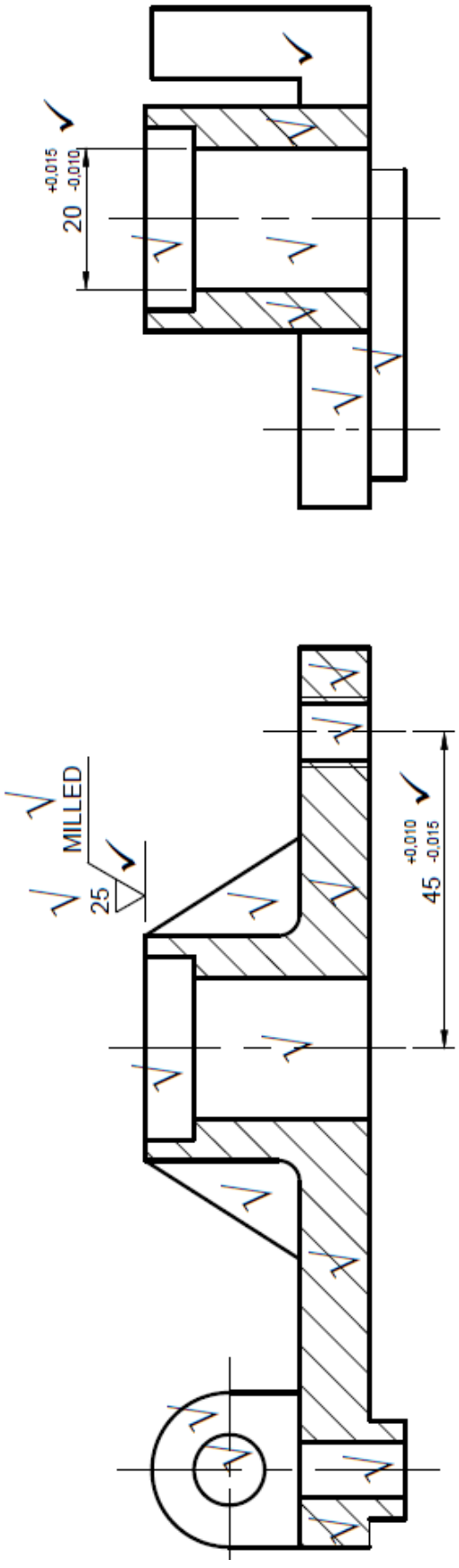
QUESTION 2: COMPRESSION SPRING



CORRECTNESS:	CORRECT VIEW	2
CORR/ACCURACY IN TERMS OF	OD	1
	LEAD/PITCH	1
	FREE LENGTH	1
	WIRE SIZE	1
	DIRECTION	1
	LINE WORK	3
	TOTAL	[10]

[10]

QUESTION 3: SECTIONAL DRAWING



Correctness FV	6
Correctness RV	4
Line work	3
Accuracy	3
Symbol A	1
Symbol B	1
Symbol C	2
Total	[20]

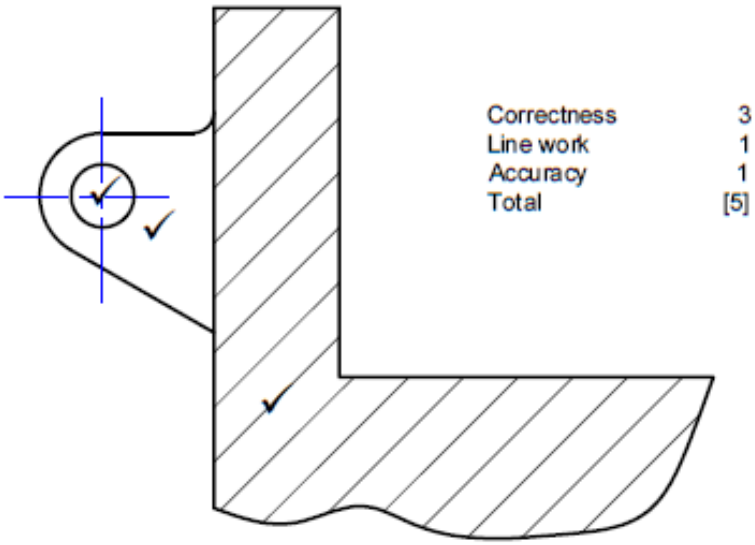
✓ = 1 MARK

√ = ½ MARK

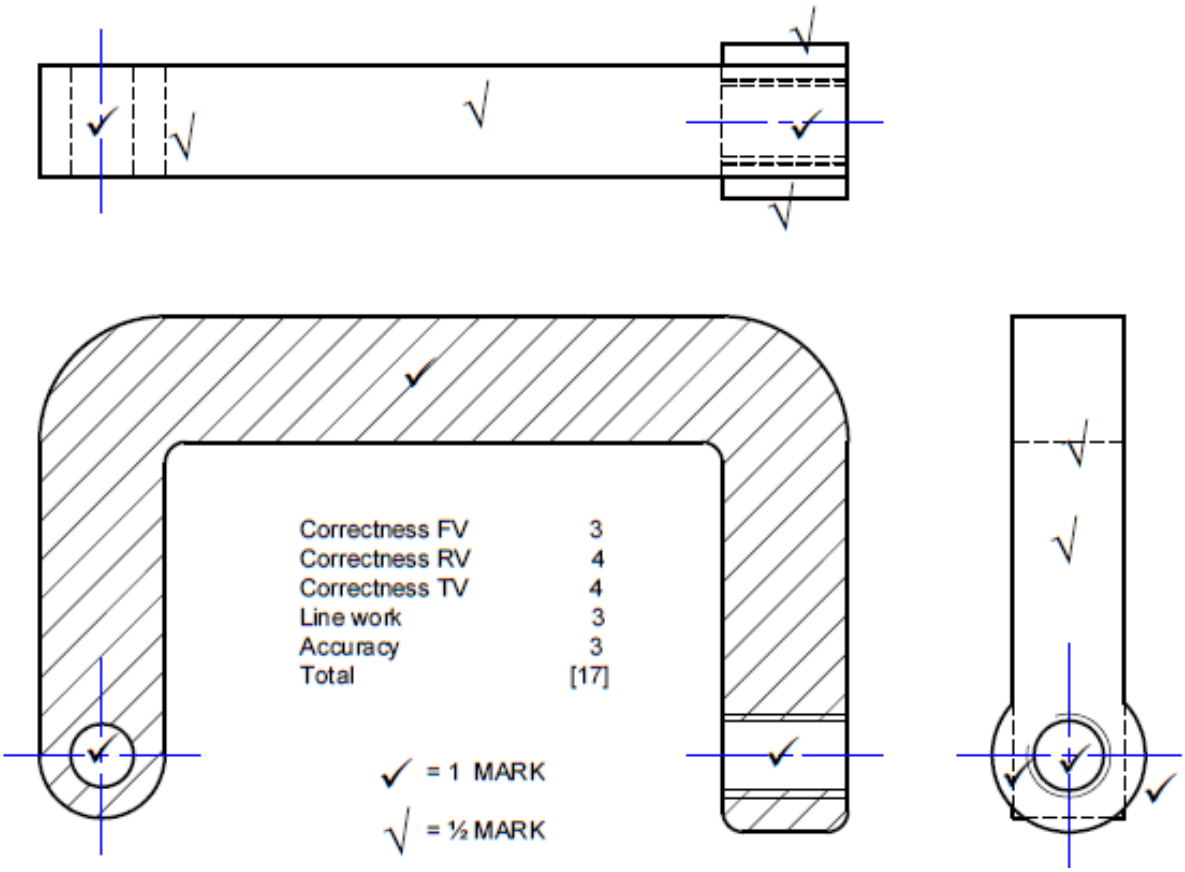
[20]

QUESTION 4: DETAIL DRAWING

4.1

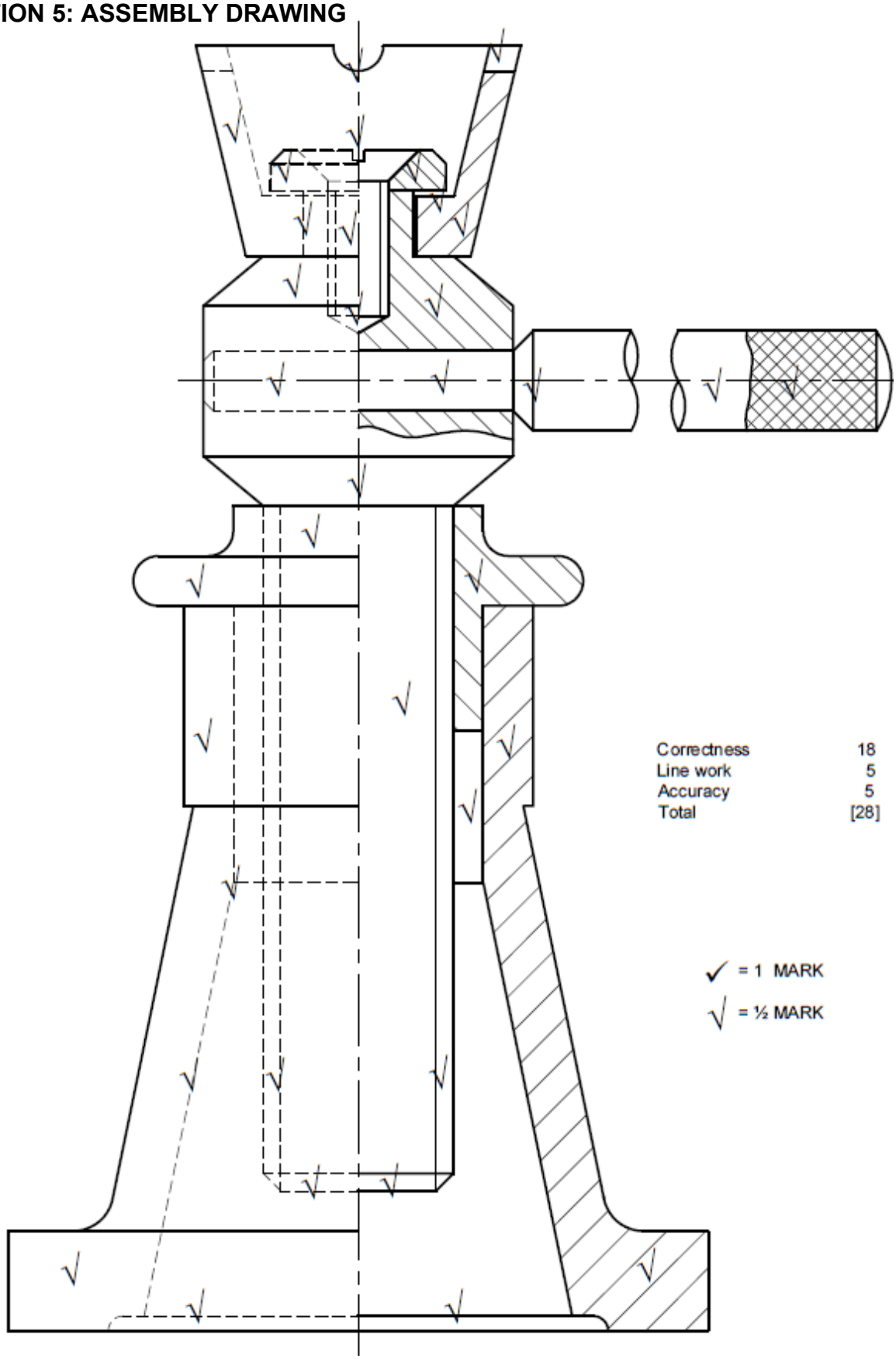


4.2



[22]

QUESTION 5: ASSEMBLY DRAWING



[28]

Layout, neatness and general impression of the ANSWER SHEET. **[5]**

TOTAL: 100

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